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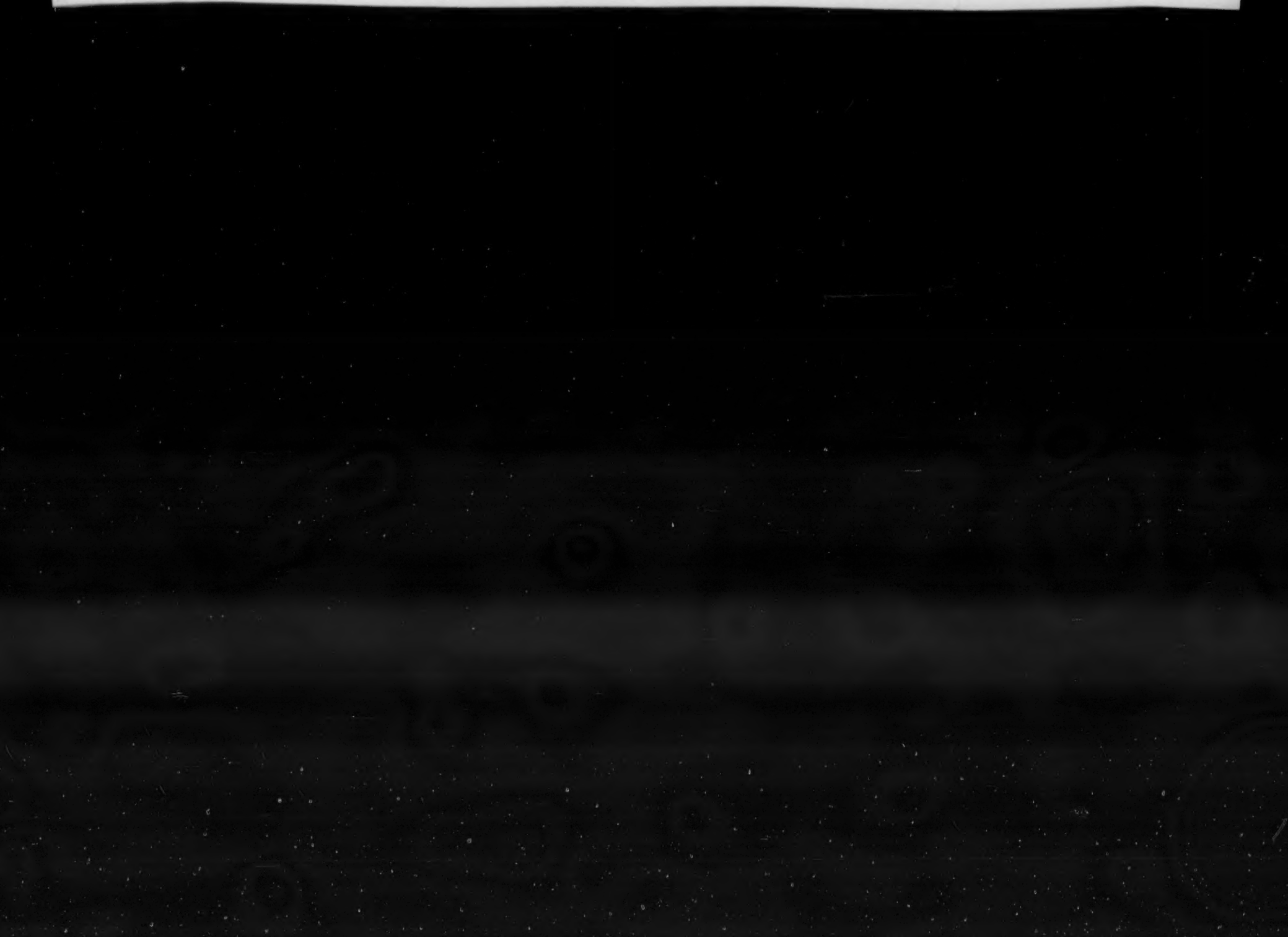

NUCLEAR SCIENCE ABSTRACTS

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This first-quarter index of Nuclear Science Abstracts (NSA) covers abstract issues Nos. 1 through 6A of Vol. 13 (1959). Included in this cumulation are the significant changes in indexing patterns instituted with issue No. 1 of Vol. 13.

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3353(p.126-230)	13-2641	
3353(p.231-300)	13-2642	
3353(p.301-97)	13-2643	
3376	13-1053	Dep.; $2.75(OTS)
3383	13-217	
3384	13-926	Dep.(mc); JCL
3385	13-874	Dep.(mc); JCL
3386	13-813	Dep.(mc); JCL
3391	13-564	Dep.(mc); JCL
3392	13-70	Dep.(mc); JCL
3393	13-341	Dep.(mc); JCL
3394	13-342	Dep.(mc); JCL
3395	13-2196	Dep.(mc); JCL
3396	13-482	Dep.(mc); JCL
3397	13-2748	Dep.(mc); JCL
3398	13-71	Dep.(mc); JCL
3399	13-72	Dep.(mc); JCL
3400	13-73	Dep.(mc); JCL
3401	13-74	Dep.(mc); JCL
3402	13-522	Dep.(mc); JCL
3403	13-1131	Dep.(mc); JCL
3404	13-154	Dep.(mc); JCL
3405	13-1644	Dep.; $2.50(OTS)

Report No.	Abstract No.	Availability
3407	13-248	Dep.(mc); JCL
3408	13-575	Dep.(mc); JCL
3409	13-75	Dep.(mc); JCL
3410	13-424	Dep.(mc); JCL
3411	13-76	Dep.(mc); JCL
3413	13-875	Dep.(mc); JCL
3414	13-814	Dep.(mc); JCL
3416	13-576	Dep.(mc); JCL
3417	13-577	Dep.(mc); JCL
3418	13-77	Dep.(mc); JCL
3419	13-2197	Dep.(mc); JCL
3420	13-1036	Dep.(mc); JCL
3421	13-1853	Dep.(mc); JCL
3422	13-268	Dep.(mc); JCL
3423	13-343	Dep.(mc); JCL
3424	13-1269	Dep.(mc); JCL
3425	13-1959	Dep.(mc); JCL
3426	13-1054	Dep.(mc); JCL
3427	13-3589	Dep.(mc); JCL
3428	13-1055	Dep.(mc); JCL
3429	13-1056	Dep.(mc); JCL
3431	13-1205	
3432	13-2644	Dep.; $1.50(OTS)
3434	13-2565	Dep.(mc); JCL
3435	13-1818	Dep.(mc); JCL
3438	13-4287	Dep.; $0.75(OTS)
3440	13-1472	Dep.(mc); JCL
3441	13-1960	Dep.(mc); JCL
3442	13-1057	Dep.(mc); JCL
3443	13-1058	Dep.(mc); JCL
3444	13-1664	Dep.(mc); JCL
3445	13-1398	Dep.(mc); JCL
3446	13-1399	Dep.(mc); JCL
3447	13-1400	Dep.(mc); JCL
3448	13-1132	Dep.(mc); JCL
3449	13-2284	Dep.(mc); JCL
3450	13-1961	Dep.(mc); JCL
3451	13-2285	Dep.(mc); JCL
3452	13-2286	Dep.(mc); JCL
3453	13-1401	Dep.(mc); JCL
3454	13-1962	Dep.(mc); JCL
3455	13-1963	Dep.(mc); JCL
3456	13-1402	Dep.(mc); JCL
3457	13-1473	Dep.(mc); JCL
3458	13-1964	Dep.(mc); JCL
3459	13-2031	Dep.(mc); JCL
3461	13-2749	JCL
3462	13-4000	Dep.(mc); JCL
3464	13-2198	Dep.(mc); JCL
3465	13-3007	Dep.(mc); JCL
3466	13-2533	Dep.(mc); JCL
3467	13-3119	Dep.(mc); JCL
3468	13-1890	Dep.(mc); JCL
3469	13-2287	Dep.(mc); JCL
3470	13-3393	Dep.(mc); JCL
3471	13-1891	Dep.(mc); JCL
3472	13-1892	Dep.(mc); JCL
3473	13-1893	Dep.(mc); JCL
3474	13-1894	Dep.(mc); JCL
3475	13-1895	Dep.(mc); JCL
3476	13-1896	Dep.(mc); JCL

Report No.	Abstract No.	Availability
3477	13-1897	Dep.(mc); JCL
3478	13-1898	Dep.(mc); JCL
3479	13-2199	Dep.(mc); JCL
3480	13-4001	Dep.(mc); JCL
3481	13-2750	Dep.(mc); JCL
3482	13-2200	Dep.(mc); JCL
3483	13-2751	Dep.(mc); JCL
3484	13-2127	Dep.(mc); JCL
3485	13-2752	Dep.(mc); JCL
3486	13-3008	Dep.(mc); JCL
3487	13-4002	Dep.; $0.50(OTS)
3488	13-3120	Dep.(mc); JCL
3489	13-3710	Dep.(mc); JCL
3490	13-3659	Dep.(mc); JCL
3491	13-4138	Dep.(mc); JCL
3496	13-2753	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
3497	13-3847	Dep.(mc); JCL
3498	13-3524	Dep.(mc); JCL
3499	13-2754	Dep.(mc); JCL
3500	13-2884	Dep.(mc); JCL
3501	13-1899	Dep.(mc); JCL
3504	13-3590	Dep.(mc); JCL
3505	13-2755	Dep.(mc); JCL
3506	13-3123	Dep.(mc); JCL
3508	13-4003	Dep.(mc); JCL
3509	13-3848	Dep.(mc); JCL
3511	13-2645	Dep.(mc); JCL
3513	13-3591	Dep.(mc); JCL
3514	13-4139	JCL
3517	13-3849	Dep.(mc); JCL
3518	13-3850	Dep.(mc); JCL
3519	13-3851	Dep.(mc); JCL
3520	13-3592	Dep.(mc); JCL
3528	13-3525	Dep.(mc); JCL
3529	13-4004	Dep.(mc); JCL
3530	13-3737	Dep.(mc); JCL
AECD		
3745	13-1210	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
3746	13-2054	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
4270	13-876	Dep.(mc); $10.80(ph OTS); $3.90(mf OTS)
4271	13-745	Dep.(mc); $4.80(ph OTS); $2.70(mf OTS)
4273	13-746	Dep.(mc); $6.30(ph OTS); $3.00(mf OTS)
4274	13-1093	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
AECL (Canadian)		
519	13-2974	See CRE-701
672	13-1489	Can. J. Phys. 36, 1323-35(1958)
685	13-959	See CRNE-803
687	13-2583	See CRCE-800
689	13-751	See CRMet-794
692	13-573	See CRDC-720
693	13-2037	Can. J. Chem. 36, 1518-36(1958)
694	13-2897	See CREL-769
695	13-730	See CREL-776
696	13-1834	See DM-54
699	13-1102	See CRDC-805
701	13-1783	See CRMet-801
702	13-3809	See CRMet-802
715	13-4131	See CRRP-760
717	13-1865	Dep.; $0.50(AECL)
719	13-4217	See CRMet-809
AECU		

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3604	13-3975	Also issued as BNL-489(p.297-302)
3607(Vols. I and II)	13-430	Dep.; $7.00(OTS)
3703(Rev.)	13-877	Dep.(mc); $4.80(ph OTS); $2.70(mf OTS)
3755	13-2894	Anal. Chem. 30, 1108-10(1958)
3767	13-1657	Dep.(mc); $6.30(ph OTS); $3.00(mf OTS)
3826	13-792	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
3833	13-3931	Dep.(mc); $12.30(ph OTS); $4.50(mf OTS)
3838	13-297	Dep.(mc); $3.00(ph OTS); $2.40(mf OTS)
3840	13-793	Dep.; $4.80(ph OTS); $2.70(mf OTS)
3841	13-505	Dep.(mc); $4.80(ph OTS); $2.70(mf OTS)
3842	13-506	Dep.(mc); $4.80(ph OTS); $2.70(mf OTS)
3843	13-1634	Dep.; $7.80(ph OTS); $3.30(mf OTS)
3844	13-2632	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
3845	13-1094	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
3846	13-928	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
3847	13-507	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
3848	13-747	Dep.(mc); $7.80(ph OTS); $3.30(mf OTS)
3849	13-1445	Dep.(mc); $7.80(ph OTS); $3.30(mf OTS)
3850	13-1800	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
3851	13-508	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
3852	13-509	Dep.(mc); $6.30(ph OTS); $2.40(mf OTS)
3853	13-1278	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
3854	13-952	Dep.(mc); $18.30(ph OTS); $6.00(mf OTS)
3856	13-510	Dep.(mc); $4.80(ph OTS); $2.70(mf OTS)
3857	13-1095	Dep.(mc); $6.30(ph OTS); $3.00(mf OTS)
3858	13-794	Dep.(mc); $6.30(ph OTS); $3.00(mf OTS)
3859	13-1446	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
3860	13-701	Dep.(mc); $7.80(ph OTS); $3.30(mf OTS)
3861	13-2261	Dep.(mc); $9.30(ph OTS); $3.60(mf OTS)
3862	13-2545	Dep.; $0.75(OTS)
3863	13-1344	Dep.(mc); $6.30(ph OTS); $3.00(mf OTS)
3864	13-2169	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
3865	13-1345	Dep.(mc); $12.30(ph OTS); $4.50(mf OTS)
3866	13-1828	Dep.(mc); $13.80(ph OTS); $4.80(mf OTS)
3867	13-1829	Dep.(mc); $9.30(ph OTS); $3.60(mf OTS)
3868	13-1447	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
3869	13-1279	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
3870	13-1346	Dep.(mc); $9.30(ph OTS); $3.60(mf OTS)
3871	13-2262	Dep.(mc); $9.30(ph OTS); $3.60(mf OTS)
3873	13-1448	Dep.(mc); $4.80(ph OTS); $2.70(mf OTS)
3874	13-1096	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
3875	13-1947	Dep.(mc); $6.30(ph OTS); $3.00(mf OTS)
3876	13-1449	Dep.(mc); $13.80(ph OTS); $4.80(mf OTS)
3877	13-2170	Dep.(mc); $10.80(ph OTS); $3.90(mf OTS)
3878	13-2263	Dep.(mc); $4.80(ph OTS); $2.70(mf OTS)
3879	13-1201	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
3880	13-3704	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
3881	13-1183	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
3882	13-2171	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
3883	13-2172	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
3885	13-2416	Dep.(mc); $12.30(ph OTS); $4.50(mf OTS)
3886	13-1830	Dep.(mc); $6.30(ph OTS); $3.00(mf OTS)
3887	13-2029	Dep.; $2.75(OTS)
3891	13-1875	Dep.(mc); $9.30(ph OTS); $3.60(mf OTS)
3893	13-1876	Dep.(mc); $7.80(ph OTS); $3.30(mf OTS)
3894	13-1877	Dep.(mc); $7.80(ph OTS); $3.30(mf OTS)
3895	13-3377	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
3896	13-2696	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
3897	13-1878	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
3898	13-3516	Dep.(mc); $13.80(ph OTS); $4.80(mf OTS)

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3899	13-2697	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
3900	13-2264	Dep.(mc); $9.30(ph OTS); $3.60(mf OTS)
3901	13-3255	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
3902	13-3078	Dep.(mc); $4.80(ph OTS); $2.70(mf OTS)
3903	13-3079	Dep.(mc); $4.80(ph OTS); $2.70(mf OTS)
3904	13-2104	Dep.(mc); $9.30(ph OTS); $3.60(mf OTS)
3906	13-3080	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
3907	13-3932	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
3908	13-3468	Dep.(mc); $31.80(ph OTS); $9.30(mf OTS)
3909	13-4257	$3.30(ph OTS); $2.40(mf OTS)
3910	13-4258	Dep.(mc); $13.80(ph OTS); $4.80(mf OTS)
3911	13-1879	Dep.(mc); $3.30(ph.OTS); $2.40(mf OTS)
3912	13-1880	Dep.(mc); $6.30(ph OTS); $3.00(mf OTS)
3914	13-2633	Dep.(mc); $7.80(ph OTS); $3.30(mf OTS)
3915	13-3081	Dep.(mc); $7.80(ph OTS); $3.30 mf OTS)
3916	13-3933	Dep.(mc); $12.30(ph OTS); $4.50(mf OTS)
3917	13-3934	Dep.(mc); $16.80(ph OTS); $5.70(mf OTS)
3918	13-3935	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
3922	13-3082	Dep.(mc); $6.30(ph OTS); $3.00(mf OTS)
3923	13-3083	Dep.(mc); $10.80(ph OTS); $3.90(mf OTS)
3924	13-3556	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
3925	13-3557	Dep.(mc); $4.80(ph OTS); $2.70(mf OTS)
3927	13-3558	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
3928	13-2698	Dep.(mc); $24.30(ph OTS); $7.50(mf OTS)
3929	13-3378	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
3930	13-3802	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
3931	13-3469	Dep.(mc); $12.30(ph OTS); $4.50(mf OTS)
3932	13-3653	Dep.(mc); $9.30(ph OTS); $3.60(mf OTS)
3934	13-3256	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
3939	13-2699	Dep.(mc); $6.30(ph OTS); $3.00(mf OTS)
3941	13-3654	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
3942	13-4259	Dep.(mc); $7.80(ph OTS); $3.30(mf OTS)
3944	13-4260	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
3948	13-4261	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
3949	13-4262	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
3950	13-4263	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
3953	13-3411	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
3954	13-3412	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
3956	13-4264	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
3959	13-4265	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
3960	13-3559	Dep.(mc); $9.30(ph OTS); $3.60(mf OTS)
3961	13-3560	Dep.(mc); $4.80(ph OTS); $2.70(mf OTS)
3962(Pt.I)	13-3561	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
3962(Pt.2)	13-3562	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
3964	13-3803	Dep.(mc); $9.30(ph OTS); $3.60(mf OTS)
3969	13-4231	Dep.(mc); $4.80(ph OTS); $2.70(mf OTS)
3979	13-4266	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
AERE-A (British)		
M-2	13-3722	Dep.
R-2661	13-787	Dep.; $0.63(BIS)
R-2684	13-3723	Dep.; $0.42(BIS)
R-2711	13-3936	Dep.; $0.42(BIS)
AERE-C (British)		
M-356	13-1280	Dep.; $0.45(BIS)
M-361	13-2700	Dep.
M-366	13-3655	Dep.
R-886	13-182	Dep.(mc)
R-1334	13-50	Dep.; (BIS)
R-1463	13-251	Dep.
R-1575(1 to 6)	13-105	Dep.; $7.56(BIS)
AERE-CE (British)		
R-1764	13-160	Dep.
R-2041	13-1157	Analyst 82, 139-51(1957)
R-2329	13-85	J. Appl. Chem. (London) 8, 459-64(1958)
R-2330	13-86	J. Appl. Chem. (London) 8, 465-8(1958)
R-2517	13-2004	J. Chem. Soc. 3426-8(1958)
R-2622	13-2875	Dep.; $0.63(BIS)
R-2670	13-971	Dep.
R-2723	13-3563	Dep.; $0.25(BIS)
AERE-CE (British)		
M-211	13-1491	Ind. Chemist. 34, 473-80(1958)
M-215	13-1159	Analyst 83, 558-61(1958)
M-219	13-1158	Analyst 83, 555-8(1958)
M-227	13-2829	Dep.; $0.49(BIS)
M-228	13-2055	Dep.; $0.35(BIS)
M-241	13-2576	Dep.; $0.39(BIS)
R-2615	13-2577	Dep.; $0.84(BIS)
AERE-E (British)		
R-2707	13-3375	Dep.; $0.35(BIS)
AERE-EL (British)		
M-100	13-3724	Dep.; $0.35(BIS)
M-105	13-3084	Dep.
M-109	13-3725	Dep.
AERE-ES (British)		
R-2491	13-161	Dep.; $0.45(BIS)
AERE-G (British)		
R-246	13-2895	Dep.(mc)
AERE-GP (British)		
R-2001	13-3919	Dep.; $0.56(BIS)
AERE-HP (British)		
R-737	13-147	Dep.(mc)
R-1452	13-2889	Intern. J. Air Pollution 1, 87-102(1958)
R-2606	13-2105	Dep.; $0.35(BIS)
R-2644	13-1281	Nuclear Power 4, 125(1959) (Condensed)
R-2730	13-3705	Dep.; $0.49(BIS)
AERE-I (British)		
R-2745	13-3564	Dep.
AERE-Inf/Bib (British)		
100 & Add	13-2	Superseded by AERE-READING LIST-3
115	13-531	Dep.; $0.45(BIS)
AERE-Lib/Trans (British)		
792	13-587	Dep.; JCL
801	13-523	Dep.
AERE-M (British)		
L-2(2nd. Ed.)	13-3379	
M-191	13-219	Chemistry & Industry, No. 26, 830-1(1958)
M-195	13-1425	Proc. Phys. Soc. 72, Pt. 3, 470-4(1958)
M-197	13-2539	Phil. Mag. (8) 3, 1329-32(1958) Nov.
M-202	13-919	Dep.
R-721	13-748	For Decl. and amended vers. see AERE-M/R-2544
R-2344	13-2214	J. Electrochem. Soc. 105, 647-54(1958)
R-2396	13-236	Trans. Brit. Ceram. Soc. 57, 199-209(1958)
R-2500	13-3037	J. Inst. Metals 87, 94-6(1958)
R-2544	13-748	Dep.; $0.63(BIS)
R-2545	13-2016	Phil. Mag. (8) 3, 921-39(1958) Sept.
R-2579A	13-3565	Dep.
R-2702	13-3566	Dep.
TN-52	13-920	Dep.
AERE-Med (British)		
M-27	13-3706	Dep.; $0.25(BIS)
R-2643	13-2117	Dep.; $0.70(BIS)

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R-2700	13-1881	Dep.; $0.42(BIS)
R-2720	13-3656	Dep.; $0.25(BIS)
AERE-NP (British)		
R/R-2651	13-3085	Dep.; $0.35(BIS)
AERE-R (British)		
M-198	13-3937	Dep.
M-209	13-3086	Dep.
R-818	13-4232	Dep.(mc)
R-2014	13-4233	For Decl. vers. see AERE-R/R-2597
R-2375	13-305	Proc. Inst. Elec. Engrs. (London) 105, Pt. A, 233-40(1958)
R-2397	13-347	Dep.
R-2399(Rev.)	13-1801	Dep.; $0.70(BIS)
R-2568	13-3087	Dep.; $0.56(BIS)
R-2578	13-51	Dep.; $0.81(BIS)
R-2597	13-4233	Dep.; $1.26(BIS)
R-2620	13-934	Nuclear Power 4, 123-(1959)
R-2645	13-1635	Dep.
R-2687	13-1658	Dep.; $0.25(OTS)
R-2688	13-2265	Dep.; $0.25(BIS)
R-2695	13-3938	Dep.
AERE-READING LIST (British)		
2	13-1	Dep.
3	13-2	Dep.
4	13-183	Dep.
AERE-RP (British)		
R-1788	13-3380	Dep.
R-1827	13-3088	Dep.; $0.42(BIS)
AERE-T (British)		
M-166	13-1802	Dep.
M-170	13-3089	Dep.
R-622(Rev.)	13-3726	Dep.; $0.42(BIS)
AF-SAM (Non-AEC)		
57-61	13-8	
58-100	13-9	
58-115	13-10	
AFOSR-TN (Non-AEC)		
57-389	13-1753	
58-129	13-2964	
58-188	13-3939	
58-498	13-3980	See KLX-10116
58-580	13-2266	
58-735	13-3979	See KLX-10113
58-754	13-1450	
58-756	13-2119	See CML-TN-P108-16
58-781	13-3940	
58-784	13-3941	
58-803	13-1948	
58-828	13-1347	
58-830	13-298	
58-858	13-851	
58-878	13-852	Dep.(mc)
58-879	13-853	Dep.(mc)
58-880	13-854	Arkiv Fysik 14, 293-302(1958)
58-921	13-2372	
58-940	13-1949	
58-1003	13-3090	
AFOSR-TR (Non-AEC)		
58-31	13-4267	
58-33	13-4268	
58-51	13-2417	
58-127	13-1348	
58-1095	13-3942	
AFSWP (Misc.)		
1074	13-2108	See RM-2108(RAND)
AGARD (Non-AEC)		
157	13-2173	
159	13-2965	Dep.(mc)
178	13-2701	
185	13-2966	
AGN (Non-AEC)		
3000	13-935	
AI (Non-AEC)		
1672(Pt.1)	13-1391	For del. uncl. vers. see WADC-TR-56-400 (Pt.1)
AMRL (Non-AEC)		
57	13-3517	
366	13-1882	
368	13-511	
369	13-512	
ANCP		
5812	13-4258	See AECU-3910
ANL		
5675	13-2527	Dep.; $1.00(OTS)
5676	13-1780	Dep.; $0.75(OTS)
5790	13-1349	Dep.; $1.75(OTS)
5795	13-921	Dep.; $0.50(OTS)
5797	13-2967	Dep.; $1.75(OTS)
5828	13-4234	Dep.; $1.50(OTS)
5855	13-416	Dep.; $0.75(OTS)
5861	13-3804	Dep.; $2.00(OTS)
5873	13-3364	Dep.; $0.75(OTS)
5875	13-52	Dep.; $1.00(OTS)
5881	13-953	Dep.; $2.25(OTS)
5914	13-431	Dep.; $4.00(OTS)
5920	13-2876	Dep.; $1.25(OTS)
5925	13-1097	Dep.; $1.00(OTS)
5933	13-4235	Dep.; $1.50(OTS)
5949	13-4115	Dep.; $3.00(OTS)
APAE		
7	13-954	Dep.(mc); $21.30(ph OTS); $6.90(mf OTS)
28(Add.)	13-3707	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
36	13-702	Dep.(mc); $9.30(ph OTS); $3.60(mf OTS)
37	13-2578	Dep.; $2.25(OTS)
38	13-2579	Dep.(mc); $25.80(ph OTS); $7.80(mf OTS)
APAE-Memo (Misc.)		
78(Rev.III)	13-1261	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
142	13-2546	Dep.(mc); $6.30(ph OTS); $3.00(mf OTS)
APDA (Non-AEC)		
122	13-4214	
APEX (Misc.)		
357	13-2528	Dep.; $2.75(OTS)
387	13-3091	Dep.; $0.75(OTS)
406	13-3943	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
411	13-572	Dep.; $1.25(OTS)
414	13-1803	Dep.; $0.75(OTS)
425	13-4116	Dep.; $2.00(OTS)
427	13-3092	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
432	13-3093	Dep.; $1.50(OTS)
435	13-2625	Dep.; $0.75(OTS)
438	13-4215	Dep.; $0.75(OTS)
439	13-3944	Dep.; $3.50(OTS)

Report No.	Abstract No.	Availability
441	13-4236	Dep.; $1.25(OTS)
442	13-4237	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
443	13-3945	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
465	13-3257	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
ARF		
D132K03-1	13-4238	Dep.; $2.25(OTS)
ASAE-S		
7	13-3413	Dep.; $2.75(OTS)
8	13-955	Dep.; $2.50(OTS)
BAW		
9(Rev.3)	13-956	Dep.(mc); $6.30(ph OTS); $3.00(mf OTS)
BLG (Non-AEC)		
20	13-53	Dep.(mc)
BM-IC (Non-AEC)		
7830	13-184	
BM-RI (Misc.)		
5423*	13-2174	
BMI (Misc.)		
1107	13-185	Dep.(mc); $6.30(ph OTS); $3.00(mf OTS)
1125	13-2968	Dep.; $10.80(ph OTS); $3.90(mf OTS)
1200	13-3805	Dep.(mc); $9.30(ph OTS); $3.60(mf OTS)
1220(Del.)	13-3806	Dep.(mc); $9.30(ph OTS); $3.60(mf OTS)
1259	13-2175	Dep.; $2.00(OTS)
1267	13-2176	Dep.; $2.00(OTS)
1273	13-1866	Dep.; $1.75(OTS)
1280	13-186	Dep.(mc); $7.80(ph OTS); $3.30(mf OTS)
1286	13-749	Dep.(mc); $7.80(ph OTS); $3.30(mf OTS)
1290	13-432	Dep.; $1.00(OTS)
1291	13-3381	Dep.; $0.75(OTS)
1292	13-1781	Dep.; $0.75(OTS)
1294	13-2177	Dep.(mc); $9.30(ph OTS); $3.60(mf OTS)
1296	13-3807	Dep.; $0.75(OTS)
1297	13-1350	Dep.; $0.50(OTS)
1298	13-2969	Dep.; $2.50(OTS)
BNL		
485	13-3094	Dep.; $0.50(OTS)
486	13-125	Dep.; $1.25(OTS)
489	13-3946	Dep.; $5.00(OTS)
489(p.2-8)	13-3947	
489(p.10-17)	13-3948	
489(p.19-20)	13-3949	
489(p.21-2)	13-3950	
489(p.23-30)	13-3951	
489(p.32-41)	13-3952	
489(p.42-5)	13-3953	
489(p.46-51)	13-3954	
489(p.52-67)	13-3955	
489(p.69-84)	13-3956	
489(p.85-8)	13-3957	
489(p.89-94)	13-3958	
489(p.97-126)	13-3959	
489(p.127-37)	13-3960	
489(p.141-4)	13-3961	
489(p.145-55)	13-3962	
489(p.156-8)	13-3963	
489(p.159-67)	13-3964	
489(p.168-73)	13-3965	
489(p.174-86)	13-3966	
489(p.189-210)	13-3967	
489(p.211-15)	13-3968	
489(p.217-23)	13-3969	
489(p.224-31)	13-3970	
489(p.232-7)	13-3971	
489(p.239-74)	13-3972	
489(p.275-90)	13-3973	
489(p.291-6)	13-3974	
489(p.297-302)	13-3975	
493	13-1184	Dep.; $0.75(OTS)
504	13-2634	Dep.; $2.25(OTS)
506	13-1451	Dep.; $2.00(OTS)
508	13-54	Dep.; $0.75(OTS)
515	13-2626	Dep.; $1.25(OTS)
2304	13-1039	Dep.(mc); $6.30(ph OTS); $3.00(mf OTS)
2431	13-4216	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
2432	13-2580	Dep.(mc); $7.80(ph OTS); $3.30(mf OTS)
3143	13-3555	pp.425-51 in "Camellia Culture"
3223	13-1040	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
3317	13-1140	Anal. Chem. 30, 1610-12(1958)
3358	13-173	Phot. Sci. Eng. 2, No. 2, 85-90(1958)
3390	13-1262	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
3463	13-2809	J. Phys. Chem. 62, 1344-51(1958) Nov.
3489	13-2581	Dep.(mc); $4.80(ph OTS); $2.70(mf OTS)
3495	13-2288	Dep.(mc); JCL
3511	13-2813	J. Phys. Chem. 62, 1369-73(1958) Nov.
3533	13-1309	Nature 182, 37-9(1958)
3565	13-1883	Dep.(mc); $4.80(ph OTS); $2.70(mf OTS)
3585	13-3624	Science 128, 1435-6(1958)
3651	13-3552	Stain Technol. 33, 221-3(1958)
3673	13-2769	J. Am. Chem. Soc. 80, 5636-8(1958)
3682	13-2534	J. Appl. Phys. 29, 1590-3(1958) Nov.
3695	13-861	Phys. Rev. 111, 1380-3(1958)
3715	13-900	Phys. Rev. 111, 1386-94(1958)
3716	13-1706	Phys. Rev. 111, 1651-7(1958)
3717	13-317	Nuovo cimento (10) 9, 826-33(1958)
3721	13-1510	Phys. Rev. 111, 1606-19(1958)
3723	13-2466	Phys. Rev. 112, 191-202(1958)
3724	13-839	Phys. Rev. 111, 1259-67(1958)
3731	13-1707	Phys. Rev. 111, 1659-76(1958)
3734	13-1699	Phys. Rev. 111, 1586-91(1958)
3750	13-2472	Phys. Rev. 112, 244-58(1958)
3777	13-4045	Phys. Rev. 112, 751-4(1958)
3797	13-2255	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
3800	13-1041	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
3801	13-513	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
3803	13-1042	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
3811	13-2463	Phil. Mag. (8) 3, 1332-3(1958) Nov.
3825	13-2178	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
3838	13-2118	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
3842	13-3074	Science 128, 1393-1401(1958)
3867	13-1798	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
3868	13-929	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
3870	13-4085	Phys. Rev. Letters 1, 463-5(1958)
3876	13-931	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
3877	13-930	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
3878	13-932	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
3880	13-2685	Proc. Soc. Exptl. Biol. Med. 99, 731-3 (1958)
3881	13-2702	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
3884	13-3548	Nature 182, 1750-1(1958)
CAL-HF (Non-AEC)		
845-D-19	13-252	
CCC (Non-AEC)		

Report No.	Abstract No.	Availability
454-TR-294	13-1351	
CD/SA (British)		
23	13-147	See AERE-HP/R-737
CEA (Non-AEC)		
673A	13-4239	Dep.(mc)
673B	13-3567	Dep.(mc)
674	13-1546	Dep.(mc)
703	13-1636	Dep.(mc)
730	13-1352	Dep.(mc)
741	13-2093	Ann. Mines 624X-48X(1957)
742	13-1246	Mines Met. No. 10, 591-4(1957)
743	13-1433	Dep.(mc)
744	13-1282	Dep.(mc)
745	13-1283	Dep.(mc)
749	13-1308	Vide No. 66, 453-5(1956)
750	13-1757	Compt. rend. 245, 1048-50(1957)
752	13-1061	Compt. rend. soc. biol. 151, 1106-10 (1957)
753	13-1498	Vide No. 69, 195-201(1958)
754	13-2142	Vide No. 69, 208-14(1958)
CEA-tr (Non-AEC)		
A194	13-3593	Dep.(mc)
A351	13-3852	Dep.(mc)
A360	13-3594	Dep.(mc)
A363	13-3595	Dep.(mc)
A441	13-3526	Dep.(mc)
A443	13-3527	Dep.(mc)
A446	13-3853	Dep.(mc)
A449	13-4007	Dep.(mc)
A472	13-3660	Dep.(mc)
R196	13-3661	Dep.(mc)
R227	13-3662	Dep.(mc)
R325	13-4005	Dep.(mc)
R381	13-4006	Dep.(mc)
R386	13-3738	Dep.(mc)
R388	13-3596	Dep.(mc)
R454	13-3597	Dep.(mc)
R461	13-3693	Dep.(mc)
R464	13-4008	Dep.(mc)
R466	13-3739	Dep.(mc)
R467	13-3598	Dep.(mc)
R469	13-3599	Dep.(mc)
R470	13-3600	Dep.(mc)
R472	13-3740	Dep.(mc)
R474	13-3601	Dep.(mc)
R478	13-3602	Dep.(mc)
R481	13-4009	Dep.(mc)
R485	13-3741	Dep.(mc)
R489	13-3603	Dep.(mc)
R500	13-3663	Dep.(mc)
R501	13-3742	Dep.(mc)
R502	13-3854	Dep.(mc)
R503	13-3855	Dep.(mc)
R511	13-3856	Dep.(mc)
X69	13-3664	Dep.(mc)
X92	13-3665	Dep.(mc)
CEND		
0005-RS-25	13-957	Dep.; $3.30(ph OTS); $2.40(mf OTS)
CERN (Non-AEC)		
58-6 a	13-245	Dep.(mc)
58-19	13-299	Dep.(mc)
58-20	13-246	Dep.(mc)
58-22	13-788	Dep.(mc)
58-23	13-388	Dep.(mc)
58-24	13-2896	Dep.(mc)
58-26	13-4065	Dep.(mc)
CERN-Bib (Non-AEC)		
1	13-3683	Dep.(mc)
CERN-PS (Non-AEC)		
AC-3	13-3920	Dep.(mc)
CS-2	13-3068	Dep.(mc)
CS-11	13-3069	Dep.(mc)
CS-12	13-3921	Dep.(mc)
JBA-MGNH/22	13-3070	Dep.(mc)
WG-3	13-3976	Dep.(mc)
CF (Oak Ridge Nat'l. Lab.)		
52-11-82(Del.)	13-2830	$7.80(ph OTS); $3.30(mf OTS)
54-5-91	13-532	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
54-6-126	13-1353	Dep.(mc); $6.30(ph OTS); $3.00(mf OTS)
54-6-201	13-936	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
54-6-244	13-580	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
54-7-203	13-581	Dep.(mc); $4.80(ph OTS); $2.70(mf OTS)
54-8-64	13-533	Dep.(mc); $4.80(ph OTS); $2.70(mf OTS)
54-8-99	13-937	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
54-8-217	13-1831	Dep.(mc); $6.30(ph OTS); $3.00(mf OTS)
54-9-119	13-718	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
55-3-31	13-958	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
55-9-122	13-1284	Dep.(mc); $6.30(ph OTS); $3.00(mf OTS)
55-11-130	13-1864	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
55-12-88	13-582	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
56-1-49	13-534	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
56-4-123(Del.)	13-750	$4.80(ph OTS); $2.70(mf OTS)
56-7-46	13-1452	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
57-9-73	13-2831	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
58-2-109(Rev.)	13-417	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
58-6-58	13-3568	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
58-7-132	13-187	Dep.(mc); $6.30(ph OTS); $3.00(mf OTS)
58-8-3	13-2857	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
58-8-5	13-2858	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
58-8-33	13-433	Dep.(mc); $18.30(ph OTS); $6.00(mf OTS)
58-8-45	13-583	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
58-8-84	13-3808	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
58-9-12	13-1832	Dep.(mc); $18.30(ph OTS); $6.00(mf OTS)
58-9-35	13-2703	Dep.(mc); $4.80(ph OTS); $2.70(mf OTS)
58-9-37	13-188	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
58-9-39	13-3095	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
58-9-40	13-2859	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
58-9-69	13-55	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
58-9-75	13-189	Dep.(mc); $10.80(ph OTS); $3.90(mf OTS)
58-9-83	13-3677	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
58-10-15	13-1100	Dep.(mc); $9.30(ph OTS); $3.60(mf OTS)
58-10-20	13-418	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
58-10-30	13-1782	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
58-10-34	13-434	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
58-10-37	13-2582	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
58-10-40	13-1950	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
58-10-43	13-1101	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
58-10-83	13-2970	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
58-10-86	13-2971	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
58-10-106	13-2547	Dep.(mc); $4.80(ph OTS); $2.70(mf OTS)
58-10-111	13-2548	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
58-10-115	13-3414	Dep.(mc); $9.30(ph OTS); $3.60(mf OTS)

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58-10-121	13-3258	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
58-11-31	13-2704	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
58-11-40	13-1951	Dep.(mc); $9.30(ph OTS); $3.60(mf OTS)
58-11-49	13-2972	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
58-11-67	13-4117	Dep.(mc); $4.80(ph OTS); $2.70(mf OTS)
58-11-70	13-2973	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
58-11-96	13-3678	Dep.(mc); $4.80(ph OTS); $2.70(mf OTS)
58-11-99	13-3727	Dep.(mc); $13.80(ph OTS); $4.80(mf OTS)
58-11-106	13-2832	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
58-12-23	13-2792	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
58-12-26	13-4130	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
58-12-106	13-4240	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
CML-M		
124-5	13-2877	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
CML-SR		
M-124-5	13-2877	See CML-M-124-5
CML-TN (Non-AEC)		
P108-16	13-2119	
CNC (Non-AEC)		
1	13-300	Dep.(mc)
CNI (Non-AEC)		
4	13-1285	Dep.(mc)
COO		
212(Rev.)	13-1263	Dep.; $1.25(OTS)
248	13-2267	Dep.; $1.25(OTS)
CRCE (Canadian)		
800	13-2583	Dep.; $1.50(AECL)
CRDC (Canadian)		
720	13-573	Dep.; $0.50(AECL)
805	13-1102	Dep.; $0.50(AECL)
CRE- (Canadian)		
701	13-2974	Dep.; $1.00(AECL)
CREL (Canadian)		
769	13-2897	Dep.; $0.50(AECL)
776	13-730	Dep.; $0.50(AECL)
CRMet (Canadian)		
794	13-751	Dep.; $0.50(AECL)
801	13-1783	Dep.; $0.50(AECL)
802	13-3809	Dep.; $1.00(AECL)
809	13-4217	Dep.; $1.00(AECL)
CRNE (Canadian)		
803	13-959	Dep.; $1.50(AECL)
CRRP (Canadian)		
760	13-4131	Dep.; $0.50(AECL)
CU (Misc.)		
18-54-AEC-1019-Chem	13-2794	See NYO-6142
120-57-ONR-110-1-Phys	13-1547	See NEVIS-30
123-57-ONR-110-1-Phys	13-1436	See NEVIS-33
151-58-ONR-110-Phys.	13-4066	See NEVIS-56
168	13-3977	Dep.; $1.50(OTS)
177	13-4132	Dep.; $2.50(OTS)
180	13-4133	Dep.; $2.25(OTS)
CWR (Misc.)		
477*	13-752	
478(Vol. I & II)	13-878	Nuclear Sci. and Eng. 4, 155-65(1958)
4028	13-348	Dep.; $6.30(ph OTS); $3.00(mf OTS)
4040	13-4134	Dep.; $4.25(OTS)

Report No.	Abstract No.	Availability
D-BIB		
17	13-1344	See AECU-3863
21	13-2633	See AECU-3914
26	13-3081	See AECU-3915
DM (Canadian)		
54	13-1834	Dep.; $0.50(AECL)
DMIC (Non-AEC)		
46E	13-3810	
106	13-2179	
DMIC-Memo (Non-AEC)		
1	13-190	
2	13-1264	
3	13-2975	
DP		
205	13-1354	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
287	13-1286	Dep.; $0.75(OTS)
294	13-118	Dep.; $0.50(OTS)
295	13-466	Dep.; $2.25(OTS)
302	13-1287	Dep.; $0.50(OTS)
304	13-2898	Dep.; $0.50(OTS)
307	13-467	Dep.; $1.50(OTS)
318	13-2833	Dep.; $0.50(OTS)
DR (Canadian)		
689	13-216	See UK/C/6/126
DRCL (Canadian)		
281	13-1973	Can. J. Chem. 36, 1455-60(1958)
DTMB (Non-AEC)		
1232	13-795	
1257	13-1288	
EES (Non-AEC)		
010327	13-500	
EM (Misc.)		
1110-345-417	13-149	See NP-6983
FICO		
110	13-419	Dep.(mc); $6.30(ph OTS); $3.00(mf OTS)
FLR		
1	13-1833	Dep.; $4.00(OTS)
FZK (Non-AEC)		
9-132	13-351	See NARF-58-37T
9-134	13-2530	See NARF-58-43T
GA (Non-AEC)		
130	13-3811	
GAT		
222	13-1650	Chem. Eng. Progr. 54, No. 10, 88-9(1958)
247	13-3	Dep.; $3.30(ph OTS); $2.40(mf OTS)
254	13-1289	Dep.; $4.80(ph OTS); $2.70(mf OTS)
GAT-DM		
554	13-4032	J. Electrochem. Soc. 106, 67-9(1959)
GAT-L		
358(Rev. 1)	13-2219	Metal Progr. 74, No. 5, 90-1(1958)
GAT-T		
544	13-2120	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
GAT-Z		
4060	13-3262	Dep.(mc); JCL
GEAP (Misc.)		
3068*	13-2549	Dep.(mc); $7.80(ph OTS); $3.30(mf OTS)
3073	13-2550	Dep.; $1.25(OTS)
GMR (Non-AEC)		
100	13-3382	
102	13-1453	
107	13-3096	

Report No.	Abstract No.	Availability
116	13-1659	
HARD(B) (British)		
P-13	13-2577	See AERE-CE/R-2615
P-37	13-2055	See AERE-CE/M-228
HASL		
36	13-1265	Dep.; $1.75(OTS)
42	13-148	Dep.; $3.50(OTS)
HD (British)		
73M	13-2895	See AERE-G/R-426
HW		
30331(Rev.)	13-3569	Dep.(mc); $4.80(ph OTS); $2.70(mf OTS)
39823(Rev. 1)	13-2121	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
45631	13-3812	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
46333	13-11	Dep.(mc); $4.80(ph OTS); $2.70(mf OTS)
47574(Del.)	13-1806	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
47776(Rev.)	13-3952	Also issued as BNL-489(p.32-41)
48523(Del.)	13-1266	Dep.(mc); $21.30(ph OTS); $6.90(mf OTS)
49555	13-3813	$3.30(ph OTS); $2.40(mf OTS)
50336	13-2763	Corrosion 14, 496t-500t(1958)
50355	13-1290	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
50364	13-435	Dep.; $4.80(ph OTS); $2.70(mf OTS)
50624	13-3372	Nuclear Sci. and Eng. 4, 794-7(1958)
51747	13-3860	Ceram. Ind. 71, No. 4, 102-3(1958)
51767(Rev.)	13-468	$3.30(ph OTS)
51832	13-469	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
51853	13-191	Dep.(mc); $4.80(ph OTS); $2.70(mf OTS)
51854	13-192	Dep.(mc); $4.80(ph OTS); $2.70(mf OTS)
52030RD	13-4218	$3.30(ph OTS); $2.40(mf OTS)
52035	13-1355	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
52796	13-2056	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
53231	13-253	Dep.(mc); $7.80(ph OTS); $3.30(mf OTS)
53320	13-470	Dep.(mc); $4.80(ph OTS); $2.70(mf OTS)
53333	13-193	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
53637	13-471	Dep.(mc); $4.80(ph OTS); $2.70(mf OTS)
53639	13-3814	Dep.; $3.30(ph OTS); $2.40(mf OTS)
54069	13-922	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
54365	13-194	Dep.(mc); $6.30(ph OTS); $3.00(mf OTS)
54727(Add.)(Rev.)	13-4269	Dep.; $4.00(OTS)
54735	13-1185	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
54850	13-436	Dep.; $0.75(OTS)
54879	13-195	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
54909	13-437	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
55117	13-1884	Dep.; $0.75(OTS)
55415	13-197	Dep.(mc); $6.30(ph OTS); $3.00(mf OTS)
55519	13-938	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
55586	13-719	Dep.(mc); $7.80(ph OTS); $3.30(mf OTS)
55667	13-1356	Dep.; $7.80(ph OTS); $3.30(mf OTS)
55689	13-2180	Dep.(mc); $4.80(ph OTS); $2.70(mf OTS)
55958	13-2181	Dep.; $0.50(OTS)
56001A	13-4223	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
56001B	13-4224	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
56001C	13-4225	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
56069	13-939	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
56128	13-162	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
56152	13-198	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
56362(Rev.)	13-2584	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
56378	13-1291	Dep.; $0.75(OTS)
56423	13-126	Dep.; $3.30(ph OTS); $2.40(mf OTS)
56506	13-2899	Dep.; $3.30(ph OTS); $2.40(mf OTS)
56559	13-2646	Dep.(mc); JCL
56582	13-720	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
56636	13-514	Dep.; $0.50(OTS)
56674	13-1202	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
56769	13-106	Dep.; $2.25(OTS)
56843	13-1357	Dep.; $3.30(ph OTS); $2.40(mf OTS)
56875	13-535	$3.30(ph OTS); $2.40(mf OTS)
56928	13-3518	Dep.; $1.25(OTS)
56946	13-3259	Dep.; $0.75(OTS)
56960	13-333	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
57130	13-2976	Dep.; $0.50(OTS)
57207	13-3815	Dep.; $3.30(ph OTS); $2.40(mf OTS)
57225 A2	13-438	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
57266	13-2900	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
57293	13-3097	Dep.; $7.80(ph OTS); $3.30(mf OTS)
57344	13-439	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
57376	13-3383	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
57383	13-870	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
57399	13-254	Dep.(mc); $4.80(ph OTS); $2.70(mf OTS)
57400	13-2705	Dep.; $0.50(OTS)
57418	13-3384	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
57603	13-3679	Dep.(mc); $7.80(ph OTS); $3.30(mf OTS)
57424	13-4241	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
57636 A2	13-1807	Dep.(mc); $4.80(ph OTS); $2.70(mf OTS)
57663	13-3816	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
57700	13-2901	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
57709	13-3098	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
57814	13-2182	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
57873	13-2706	Dep.; $3.30(ph OTS); $2.40(mf OTS)
57903	13-3365	Dep.; $0.50(OTS)
57941	13-4242	Dep.; $1.00(OTS)
58101	13-2902	Dep.; $1.75(OTS)
58146	13-3570	Dep.; $0.75(OTS)
HZ		
98	13-972	See SRO-11
IDO		
10034	13-1808	Dep.; $0.50(OTS)
12004	13-3978	Dep.(mc); $13.80(ph OTS); $4.80(mf OTS)
14415	13-2836	Anal. Chem. 30, 1902-7(1958)
14441	13-536	Dep.; $0.75(OTS)
14443	13-584	Dep.; $2.25(OTS)
14448	13-537	Dep.; $1.25(OTS)
14450	13-3680	Dep.; $1.00(OTS)
14455	13-3571	Dep.; $0.50(OTS)
14456	13-2903	Dep.; $1.75(OTS)
16370	13-731	Dep.; $2.50(OTS)
16421	13-1809	Dep.; $2.75(OTS)
16448	13-440	Dep.; $0.75(OTS)
16452	13-441	Dep.; $2.50(OTS)
16453	13-1810	Dep.; $0.75(OTS)
16454	13-4243	Dep.; $0.75(OTS)
16463	13-940	Dep.; $0.50(OTS)
16464	13-4244	Dep.; $1.00(OTS)
16466	13-721	Dep.; $1.25(OTS)
16473	13-941	Dep.; $0.50(OTS)
16474	13-2551	Dep.; $1.75(OTS)
16475	13-1784	Dep.; $1.75(OTS)
16477	13-923	Dep.; $0.75(OTS)
16481	13-2552	Dep.; $2.25(OTS)
16483	13-420	Dep.; $0.75(OTS)
16485	13-879	Dep.; $2.00(OTS)
16486	13-1637	Dep.; $0.75(OTS)
IFA-DF (Non-AEC)		

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11	13-3099	Dep.(mc)
IFA-FT (Non-AEC)		
29	13-2268	Dep.(mc)
IGC-ARDC (British)		
P-150	13-3573	See IGO-R/W-2
IGC-CTC (British)		
R-154	13-2718	See IGR-TN/C-281
R-182	13-3574	See IGR-TN/CA-387
IGC-FRFEWP (British)		
P-94	13-2978	See IGR-TN/C-298
IGC-SPWP (British)		
P-15A	13-3818	See IGR-TN/C-305
IGC-TRDC (British)		
P-139	13-3415	See IGE-R-7
IGC-TROC (British)		
R-4	13-3415	See IGE-R-7
IGE-R (British)		
7	13-3415	Dep.
IGO-AM (British)		
S-9	13-3572	Dep.
S-13	13-2707	Dep.
S-18	13-2708	Dep.
S-27	13-2709	Dep.
S-29	13-2710	Dep.
S-42	13-2711	Dep.
S-44	13-1103	Dep.
S-48	13-2712	Dep.
S-49	13-1104	Dep.
S-118	13-2713	Dep.
S-119	13-1105	Dep.
S-120	13-2714	Dep.
S-121	13-2715	Dep.
S-122	13-1106	Dep.
S-124	13-2716	Dep.
S-125	13-2717	Dep.
IGO-R (British)		
R-8	13-2878	Dep.
W-2	13-3573	Dep.
IGR-R (British)		
CA-285	13-1358	Dep.; $0.49(BIS)
R-287	13-3817	Dep.; $1.75(BIS)
IGR-TN (British)		
C-281	13-2718	Dep.
C-298	13-2978	Dep.
C-305	13-3818	Dep.
C-583	13-753	Dep.
CA-387	13-3574	Dep.
CA-886	13-163	Dep.
CA-974	13-3819	Dep.
W-905	13-199	Nuclear Power 3, 600-1(1958)
IGRL-IB (British)		
R-15(2nd. Ed.)	13-2977	Dep.; $0.63(BIS)
ISC		
830	13-1359	Dep.; $2.75(OTS)
851	13-1107	Dep.; $2.00(OTS)
857	13-538	Dep.(mc); $7.80(ph OTS); $3.30(mf OTS)
882	13-2719	Geochim. et Cosmochim. Acta 14, 234-43 (1958)
900	13-1952	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
919	13-2021	Spectrochim. Acta 12, 332-7(1958)
931	13-1155	Anal. Chem. 30, 1792-5(1958)
939	13-1152	Anal. Chem. 30, 1776-9(1958)
940	13-796	Dep.
941	13-2720	Dep.; $3.00(OTS)
944	13-539	Dep.; $2.25(OTS)
945	13-2721	Dep.; $2.75(OTS)
946	13-540	Dep.; $1.00(OTS)
947	13-541	Ind. Eng. Chem. 50, 1754-5(1958) Dec.
963	13-1975	J. Am. Chem. Soc. 80, 5075-80(1958)
965	13-345	J. Chem. Phys. 29, 531-6(1958)
966	13-2413	J. Chem. Phys. 29, 697-9(1958)
969	13-2315	J. Appl. Phys. 29, 1523-5(1958) Nov.
970	13-838	Phys. Rev. 111, 1257-8(1958)
971	13-1987	J. Am. Chem. Soc. 80, 4767-72(1958)
977	13-2183	Dep.; $2.50(OTS)
985	13-1986	J. Am. Chem. Soc. 80, 4761-4(1958)
1000	13-1989	J. Am. Chem. Soc. 80, 5061-3(1958)
1003	13-1985	J. Am. Chem. Soc. 80, 4757-60(1958)
1009	13-2007	J. Electrochem. Soc. 105, 683-6(1958)
1014	13-1108	Dep.; $1.50(OTS)
1024	13-2009	J. Phys. Chem. 62, 1149-50(1958)
1032	13-2157	Rev. Sci. Instr. 29, 990-2(1958)
1037	13-754	Dep.
1045	13-542	Dep.; $1.50(OTS)
1047	13-200	Dep.; $1.25(OTS)
1051	13-3575	Dep.; $1.00(OTS)
1056	13-3576	Dep.; $1.25(OTS)
1073	13-1517	Phys. Rev. Letters 1, 322-4(1958)
1074	13-3577	Dep.; $1.50(OTS)
JENER-Pub. (Non-AEC)		
15	13-56	
JPRS (Non-AEC)		
617	13-1133	L.C.
1012	13-1985	LC
1022	13-3528	LC
K		
945	13-1203	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
1298	13-1109	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
1402	13-1638	Dep.; $0.50(OTS)
1403	13-1639	Dep.; $0.50(OTS)
KAPL		
1651	13-389	Dep.; $0.75(OTS)
1662	13-543	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
1728	13-2722	Dep.; $1.25(OTS)
1744	13-2553	Dep.; $1.25(OTS)
1886	13-3100	Dep.; $1.50(OTS)
1908	13-201	Dep.; $0.75(OTS)
1910	13-442	Dep.; $0.75(OTS)
1916	13-349	Dep.; $1.00(OTS)
1929	13-202	Dep.; $0.75(OTS)
1965	13-421	Dep.; $0.75(OTS)
2000-3	13-1953	Dep.; $2.00(OTS)
KAPL-M		
ABR-5	13-544	Dep.(mc); $4.80(ph OTS); $2.70(mf OTS)
ABR-6	13-57	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
AEB-3	13-203	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
AEB-4	13-204	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
AL-1	13-755	Dep.(mc); $4.80(ph OTS); $2.70(mf OTS)
AME-13	13-756	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
AME-14	13-2979	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
CGL-1	13-1360	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
DGM-1	13-574	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)

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DPS-1	13-58	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
DRB-2	13-443	Dep.(mc); $7.80(ph OTS); $3.30(mf OTS)
DRM-13	13-871	Dep.(mc); $6.30(ph OTS); $3.00(mf OTS)
DRM-14	13-942	Dep.(mc); $4.80(ph OTS); $2.70(mf OTS)
DWJ-8	13-444	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
D1G-TD-2	13-334	Dep.(mc); $9.30(ph OTS); $3.60(mf OTS)
D1G-TD-3	13-1640	Dep.(mc); $9.30(ph OTS); $3.60(mf OTS)
D1G-TD-4(Pt.1)	13-4118	Dep.(mc); $13.80(ph OTS); $4.80(mf OTS)
ELS-9	13-545	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
GES-1	13-2418	Dep.(mc); $6.30(ph OTS); $3.00(mf OTS)
GOM-2	13-1641	Dep.(mc); $15.30(ph OTS); $5.40(mf OTS)
GOM-3	13-1811	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
JAO-1	13-2980	Dep.(mc); $7.80(ph OTS); $3.30(mf OTS)
JLJ-1	13-757	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
JMG-4	13-2184	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
JRF-1	13-2981	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
JTP-3	13-546	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
KEW-1	13-3728	Dep.(mc); $4.80(ph OTS); $2.70(mf OTS)
LGB-14	13-1211	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
MH-1	13-1454	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
MMS-1	13-335	Dep.(mc); $4.80(ph OTS); $2.70(mf OTS)
MSP-2	13-255	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
NEF-4	13-127	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
OAC-2	13-256	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
PGK-1	13-943	Dep.(mc); $4.80(ph OTS); $2.70(mf OTS)
RAD-3	13-3729	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
RB-1	13-336	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
RFD-1	13-547	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
RFD-2	13-548	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
RLM-16	13-205	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
RLM-17	13-422	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
RMM-3	13-3101	Dep.(mc); $4.80(ph OTS); $2.70(mf OTS)
RNH-4	13-2982	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
SMB-4	13-206	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
SMS-92	13-472	Dep.(mc); $6.30(ph OTS); $3.00(mf OTS)
SMS-93	13-59	Dep.(mc); $4.80(ph OTS); $2.70(mf OTS)
SSD-46	13-4270	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
S3G-RES-60	13-3102	Dep.(mc); $9.30(ph OTS); $3.60(mf OTS)
TR-313(Pt. 1)	13-2554	Dep.(mc); $4.80(ph OTS); $2.70(mf OTS)
VFC-4	13-549	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
VFC-5	13-550	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
WBW-5	13-350	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
WS-3	13-445	Dep.(mc); $4.80(ph OTS); $2.70(mf OTS)
WVJ-4	13-301	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
KLI		
4270	13-1279	See AECU-3869
4271(Del.)	13-1183	See AECU-3881
KLX (Misc.)		
1789*	13-4245	Dep.(mc); $21.30(ph OTS); $6.90(mf OTS)
10113*	13-3979	
10116*	13-3980	
KT		
223	13-3558	See AECU-3927
245	13-2696	See AECU-3896
250	13-2699	See AECU-3939
323	13-1448	See AECU-3873
KY		
265	13-1862	Dep.; $0.75(OTS)
LA		
387(Del.)	13-1110	Dep.(mc); $6.30(ph OTS); $3.00(mf OTS)
1063	13-1111	Dep.(mc); $6.30(ph OTS); $3.00(mf OTS)
1064	13-1112	Dep.(mc); $4.80(ph OTS); $2.70(mf OTS)
1375	13-2723	Dep.(mc); $4.80(ph OTS); $2.70(mf OTS)
1463(Del.)	13-1113	Dep.(mc); $4.80(ph OTS); $2.70(mf OTS)
1586	13-1212	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
1610	13-1812	Dep.(mc); $10.80(ph OTS); $3.90(mf OTS)
1707	13-1114	Dep.(mc); $4.80(ph OTS); $2.70(mf OTS)
2035	13-2983	Dep.; $1.25(OTS)
2148	13-1213	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
2160UNM	13-2724	Dep.; $3.30(ph OTS); $2.40(mf OTS)
2165	13-337	Dep.; $1.30(ph OTS); $4.50(mf OTS)
2183	13-1455	Dep.; $1.50(OTS)
2202	13-588	Dep.; $1.25(OTS)
2229	13-1954	Dep.; $1.50(OTS)
2231	13-1361	Dep.; $0.50(OTS)
2232	13-796	Dep.; $4.80(ph OTS); $2.70(mf OTS)
2237	13-3981	Dep.; $5.00(OTS)
2238	13-798	Dep.; $1.00(OTS)
2252	13-3730	Dep.; $1.00(OTS)
2265	13-2904	Dep.; $1.00(OTS)
LAMS		
1267	13-1115	Dep.(mc); $4.80(ph OTS); $2.70(mf OTS)
1674	13-551	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
1682	13-3684	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
1698	13-1116	Dep.(mc); $6.30(ph OTS); $3.00(mf OTS)
2125	13-2269	Dep.(mc); $16.80(ph OTS); $5.70(mf OTS)
2240	13-2555	Dep.; $4.80(ph OTS); $2.70(mf OTS)
M (Misc.)		
5482	13-1863	See TID-5342
5667	13-507	See AECU-3847
5682	13-928	See AECU-3846
5881	13-2698	See AECU-3928
5952	13-3934	See AECU-3917
5953	13-747	See AECU-3848
5958	13-3933	See AECU-3916
6096	13-2421	See ORO-180
6106	13-2191	See SCTM-133-56(16)
6144	13-1445	See AECU-3849
6185	13-2262	See AECU-3871
6221	13-1278	See AECU-3835
6262	13-701	See AECU-3860
6271	13-510	See AECU-3856
6332	13-1346	See AECU-3870
6339	13-794	See AECU-3858
6484	13-793	See AECU-3840
6529	13-952	See AECU-3854
MCW		
1418	13-119	Dep.; $1.00(OTS)
MET (Non-AEC)		
410-588F	13-1393	See WAL-401/257
MITS		
39	13-2732	See NYO-4878
MLM		
67	13-515	Dep.(mc); $4.80(ph OTS); $2.70(mf OTS)
1070	13-1117	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
MND (Misc)		
1045	13-3820	Dep.; $2.25(OTS)
1062-1(Rev.)*	13-2408	
1235	13-4271	Dep.; $2.50(OTS)
E-1157	13-2556	Dep.(mc); $16.80(ph OTS); $5.70(mf OTS)
MND-DB		
2523	13-758	Dep.(mc); $6.30(ph OTS); $3.00(mf OTS)

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MND-RP (Non-AEC)		
558-15	13-4272	
558-17	13-1813	
657-11	13-1814	
1256-1	13-2557	
1256-2	13-2529	
MR-N (Non-AEC)		
163-2	13-3367	See NARF-58-48T
191	13-3732	See NARF-58-52T
MURA (Misc.)		
200	13-1434	Dep.(mc); $4.80(ph OTS); $2.70(mf OTS)
234	13-799	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
235	13-800	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
236	13-801	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
364	13-1435	Dep.(mc); $4.80(ph OTS); $2.70(mf OTS)
423	13-789	Dep.(mc); $4.80(ph OTS); $2.70(mf OTS)
431	13-3922	Dep.(mc); $4.80(ph OTS); $2.70(mf OTS)
MURA-LJL (Misc.)		
KRS-1*	13-2256	
NAA-SR		
2234	13-3416	Dep.; $2.00(OTS)
2461	13-3731	Dep.; $2.00(OTS)
2470	13-446	Dep.; $2.75(OTS)
2558	13-960	Dep.; $2.75(OTS)
2561	13-4273	Dep.; $1.25(OTS)
2562	13-880	Nuclear Sci. and Eng. 4, 649-72(1958)
2704	13-2185	Dep.; $1.25(OTS)
2778	13-2057	Dep.(mc); $12.30(ph OTS); $4.50(mf OTS)
2852	13-1362	Dep.; $1.50(OTS)
2938	13-2542	Dep.; $0.75(OTS)
2939	13-3578	Dep.; $0.50(OTS)
2942	13-2725	Dep.; $0.50(OTS)
2953	13-3385	Dep.; $1.00(OTS)
2964	13-3579	Dep.; $0.50(OTS)
2973	13-3821	Dep.; $1.00(OTS)
2981	13-3822	Dep.; $1.25(OTS)
2986	13-1815	Dep.; $0.75(OTS)
3043	13-2726	Dep.; $0.50(OTS)
3045	13-1816	Dep.; $1.50(OTS)
3086	13-3823	Dep.; $0.75(OTS)
3205	13-2984	Dep.; $1.25(OTS)
NACA-TN (Non-AEC)		
4160	13-2186	
4165	13-2186	
4284	13-1363	
4331	13-1364	
4349	13-1642	
4369	13-1643	
4383	13-732	
4408	13-1365	
NARF (Non-AEC)		
58-1T(Add.5)	13-3366	
58-37T	13-351	
58-43T	13-2530	
58-48T	13-3367	
58-52T	13-3732	
NASA-M (Non-AEC)		
12-4-58W	13-3260	
NAVORD (Non-AEC)		
2686	13-2985	
4893(Suppl.1)	13-1366	
5748	13-2585	Dep.; $3.00(OTS)
6132	13-2986	
NBL		
151	13-1955	Dep.; $0.50(OTS)
NBS (Misc.)		
5892	13-552	Dep.(mc); $12.30(ph OTS); $4.50(mf OTS)
5946	13-759	Dep.; $1.00(OTS)
NDA (Misc.)		
2-79	13-4119	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
14-40	13-3417	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
14-163	13-473	Dep.(mc); $4.80(ph OTS); $2.70(mf OTS)
80-1	13-872	Dep.(mc); $6.30(ph OTS); $3.30(mf OTS)
84-11	13-474	Dep.(mc); $9.30(ph OTS); $3.60(mf OTS)
2092-9	13-2270	Dep.(mc); $4.80(ph OTS); $2.70(mf OTS)
9018-1	13-924	Dep.(mc); $4.80(ph OTS); $2.70(mf OTS)
NEPA (Non-AEC)		
545	13-553	
NEVIS (Misc.)		
30	13-1547	Dep.(mc); $7.80(ph OTS); $3.30(mf OTS)
33	13-1436	Dep.(mc); $4.80(ph OTS); $2.70(mf OTS)
56	13-4066	Dep.(mc); $7.80(ph OTS); $3.30(mf OTS)
NLCO		
747	13-2601	Dep.; $1.00(OTS)
753	13-2727	Dep.; $0.75(OTS)
754	13-3824	Dep.; $1.25(OTS)
755	13-2728	Dep.; $1.00(OTS)
NMI (Misc.)		
1193	13-3825	Dep.; $1.00(OTS)
1200	13-3826	Dep.; $0.75(OTS)
1207	13-2987	Dep.; $1.00(OTS)
1208	13-760	Dep.; $0.75(OTS)
1209	13-3827	Dep.; $0.50(OTS)
4350	13-1367	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
4351	13-1368	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
4353	13-1369	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
4354	13-1370	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
4355	13-1371	Dep.(mc); $4.80(ph OTS); $2.70(mf OTS)
4356	13-207	Dep.(mc); $6.30(ph OTS); $3.00(mf OTS)
4357	13-1372	Dep.(mc); $7.80(ph OTS); $3.30(mf OTS)
4359	13-475	Dep.(mc); $4.80(ph OTS); $2.70(mf OTS)
4360	13-1373	Dep.(mc); $10.80(ph OTS); $3.90(mf OTS)
4361	13-1374	Dep.(mc); $9.30(ph OTS); $3.60(mf OTS)
4362	13-1375	Dep.(mc); $4.80(ph OTS); $2.70(mf OTS)
4363	13-1376	Dep.(mc); $4.80(ph OTS); $2.70(mf OTS)
4364	13-1377	Dep.(mc); $7.80(ph OTS); $3.30(mf OTS)
4365	13-1378	Dep.(mc); $7.80(ph OTS); $3.30(mf OTS)
4366	13-1379	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
4709	13-3828	Dep.(mc); $15.30(ph OTS); $5.40(mf OTS)
4910*	13-208	
NML (Non-AEC)		
5403-1	13-3829	
NOTS (Non-AEC)		
1551	13-1366	See NAVORD-4893(Suppl. 1)
NP (AEC File No. for Non-AEC Reports.)		
6667	13-2187	$0.25 (Dept. of Mines and Technical Survey, Canada)
6954	13-447	Dep.(mc)
6955	13-60	Dep.(mc)
6956	13-61	Dep.(mc)
6957	13-390	Dep.(mc)
6958	13-302	Nuclear Phys. 8, 637-49(1958)

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6959	13-391	
6962	13-352	Dep.(mc)
6965	13-303	Dep.(mc)
6967	13-257	
6968	13-209	
6970	13-132	
6971	13-62	
6972	13-210	
6973	13-12	
6976	13-258	
6977	13-63	
6978	13-259	
6979	13-64	
6980	13-944	
6982	13-802	Dep.(mc)
6983	13-149	
6984	13-1785	
6985	13-1380	
6987	13-1118	Dep.(mc)
6988	13-2188	Dep.(mc)
6989	13-2531	Dep.(mc)
6991	13-945	
6992	13-1186	Dep.(mc)
6993	13-501	
6994	13-1786	
6995	13-3351	
6998	13-1381	
6999	13-1548	Zhur. Eksptl'. i Teoret. Fiz. 35, 1232-4 (1958)
7000	13-881	
7003	13-1456	
7006	13-1660	
7007	13-925	
7010	13-1457	
7011	13-2122	
7012	13-1458	
7014	13-2271	
7015	13-1382	
7016	13-1459	
7018	13-3519	
7019	13-1549	
7021	13-2373	Dep.(mc)
7022	13-1187	Dep.(mc)
7023	13-1188	Dep.(mc)
7024	13-2905	
7025	13-2988	
7026	13-3263	Dep.(mc)
7027	13-3982	Dep.(mc)
7028	13-3103	
7029	13-1383	Dep.(mc)
7030	13-1956	Dep.(mc)
7031	13-2058	Dep.(mc)
7032	13-2558	Dep.(mc); $4.80(ph OTS); $2.70(mf OTS)
7034	13-1957	
7035	13-2189	
7036	13-2272	
7038	13-2190	
7039	13-1958	
7041	13-2559	Dep.(mc); $16.80(ph OTS); $5.70(mf OTS)
7042	13-3386	Eng. Progr. Univ. Florida 12, Bull. Ser. No. 99
7043	13-3196	Dep.(mc)
7044	13-2419	Nuovo cimento (10) 8, Suppl. No. 2, 725(1958)
7045	13-3197	Dep.(mc)
7046	13-2906	Dep.(mc)
7047	13-2989	
7048	13-1787	
7049	13-2729	
7051	13-3983	
7053	13-2990	
7054	13-3198	Dep.(mc)
7055	13-3984	Dep.(mc)
7056	13-3199	Dep.(mc)
7057	13-3200	Dep.(mc)
7058	13-3201	Dep.(mc)
7059	13-3202	Dep.(mc)
7060	13-3104	Dep.(mc)
7061	13-4067	Dep.(mc)
7063	13-3105	Zhur. Eksptl'. i Teoret. Fiz. 35, 1580-1 (1958)
7064	13-3203	Zhur. Eksptl'. i Teoret. Fiz. 35, 1575-7 (1958)
7068	13-2106	
7069	13-2107	
7070	13-3985	
7072	13-3106	Dep.(mc)
7073	13-3733	
7075	13-2991	
7078	13-3657	
7084	13-3580	Dep.(mc)
7090	13-3581	
7092	13-2730	
7097	13-4219	
7100	13-3368	
7102	13-3582	
7104	13-2793	Dep.(mc)
7105	13-3658	Dep.(mc)
7111	13-3830	
7148	13-3520	Dep.(mc)
7176	13-4246	

NP-tr (AEC File No. for Non-AEC Translations)

70	13-2289	Dep.(mc); JCL
143	13-1270	
156	13-2128	Dep.(mc); JCL
157	13-392	Dep.(mc); JCL
158	13-815	Dep.(mc)
159	13-816	Dep.(mc); JCL
160	13-817	Dep.(mc)
161	13-4010	Dep.(mc); JCL
162	13-1474	Dep.(mc)
163	13-1299	Dep.(mc); JCL
166	13-1190	Dep.(mc); JCL
168	13-2290	
169	13-78	
170	13-269	
171	13-2291	Dep.(mc); JCL
172	13-1403	
173	13-818	
174	13-2292	
175	13-4011	
176	13-2293	

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177	13-2294	Dep.(mc); JCL
178	13-1191	Dep.(mc); JCL
179	13-2129	Dep.(mc); JCL
180	13-2409	Dep.(mc); JCL
181	13-2201	Dep.(mc); JCL
183	13-2588	
184	13-4012	JCL
186	13-1300	
187	13-524	
188	13-1475	
192	13-3604	Dep.(mc); JCL
194	13-4013	Dep.(mc); JCL
195	13-2647	Dep.(mc); JCL
196	13-2648	Dep.(mc); JCL
197	13-4014	Dep.(mc); JCL
198	13-3121	JCL
199	13-3122	JCL
204	13-3605	Dep.(mc); JCL
205	13-3857	
NPCC/RPWP (British)		
P135	13-3085	See AERE-NP and R/R-2651
P-121	13-347	See AERE-R/R-2397
P-148	13-3937	See AERE-R/M-198
P-153	13-1801	See AERE-R/R-2399
NR (Non-AEC)		
39	13-4246	See NP-7176
45	13-3983	See NP-7051
NRC (Canadian)		
4954	13-3138	Can. J. Phys. 36, 1624-33(1958) Dec.
4966	13-2922	Can. J. Phys. 36, 1710-13(1958) Dec.
NRC-MT (Canadian)		
38	13-761	
NRDC (British)		
105	13-3085	For revised and declassified version see AERE-NP and R/R-2651
NRL (Misc.)		
4495(Del.)*	13-3387	
4965*	13-150	
5150*	13-733	
5184*	13-448	
5189*	13-449	
5200*	13-2068	
5206*	13-1384	
5213*	13-3107	
5223*	13-2731	
NYO		
993	13-1214	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
995	13-1215	Dep.(mc); $9.30(ph OTS); $3.60(mf OTS)
997	13-1216	Dep.(mc); $7.80(ph OTS); $3.30(mf OTS)
999	13-2069	Dep.(mc); $7.80(ph OTS); $3.30(mf OTS)
2054	13-353	Dep.(mc); $12.30(ph OTS); $4.50(mf OTS)
2056	13-1493	Intern. J. Appl. Radiation and Isotopes 3, 193-206(1958)
2058	13-1043	Dep.(mc); $0.75(OTS)
2147	13-1076	Phys. Rev. 111, 1597-1603(1958)
2148	13-1698	Phys. Rev. 111, 1578-85(1958)
2160	13-2992	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
2192	13-1217	Dep.(mc); $7.80(ph OTS); $3.30(mf OTS)
2193	13-1218	Dep.(mc); $7.80(ph OTS); $3.30(mf OTS)
2194	13-1219	Dep.(mc); $6.30(ph OTS); $3.00(mf OTS)
2195	13-2070	Dep.(mc); $7.80(ph OTS); $3.30(mf OTS)

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2332	13-3388	Dep.; $2.75(OTS)
2340	13-803	Dep.(mc); $6.30(ph OTS); $3.00(mf OTS)
2366	13-1044	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
2370	13-1119	Dep.(mc); $24.30(ph OTS); $7.50(mf OTS)
2426	13-2635	$3.30(ph OTS); $2.40(mf OTS)
3719	13-1220	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
3938	13-3697	Dep.(mc); $36.30(ph OTS); $10.20(mf OTS)
3953(Del.)	13-3831	Dep.(mc); $13.80(ph OTS); $4.80(mf OTS)
4705	13-2907	Dep.; $0.75(OTS)
4753(Suppl.3)	13-1267	Dep.; $1.00(OTS)
4878	13-2732	Dep.; $1.25(OTS)
6013	13-2733	Dep.(mc); $19.80(ph OTS); $6.30(mf OTS)
6041	13-2071	$9.30(ph OTS); $3.60(mf OTS)
6042	13-1221	Dep.(mc); $6.30(ph OTS); $3.00(mf OTS)
6043	13-2072	Dep.(mc); $6.30(ph OTS); $3.00(mf OTS)
6044	13-1222	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
6045	13-1223	Dep.(mc); $4.80(ph OTS); $2.70(mf OTS)
6046	13-2073	Dep.(mc); $6.30(ph OTS); $3.00(mf OTS)
6142	13-2794	Dep.(mc); $12.30(ph OTS); $4.50(mf OTS)
6359	13-1224	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
6367	13-3685	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
6371	13-3686	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
6372	13-1225	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
6486 MH-VIII	13-1460	Dep.(mc); $10.80(ph OTS); $3.90(mf OTS)
6562	13-2273	Nuovo cimento (10) 8, 684-700(1958)
6591	13-2734	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
7118	13-1754	Dep.(mc); $25.80(ph OTS); $7.80(mf OTS)
7308	13-1226	Dep.(mc); $9.30(ph OTS); $3.60(mf OTS)
7309	13-1227	Dep.(mc); $7.00(OTS)
7310	13-1228	Dep.(mc); $12.30(ph OTS); $4.50(mf OTS)
7311	13-1229	Dep.(mc); $6.30(ph OTS); $3.00(mf OTS)
7312	13-1230	Dep.(mc); $4.80(ph OTS); $2.70(mf OTS)
7316	13-1231	Dep.(mc); $7.80(ph OTS); $3.30(mf OTS)
7775	13-1860	Phys. Rev. 111, 380-3(1958)
7852	13-3521	Dep.(mc); $4.80(ph OTS); $2.70(mf OTS)
7862	13-2420	Dep.(mc); $6.30(ph OTS); $3.00(mf OTS)
7901	13-1232	Dep.(mc); $7.80(ph OTS); $3.30(mf OTS)
7902	13-1233	Dep.(mc); $4.80(ph OTS); $2.70(mf OTS)
7905	13-2847	Phys. Rev. 112, 1456-9(1958)
7909	13-2862	Dep.; $2.25(OTS)
7921	13-1385	Dep.(mc); $6.30(ph OTS); $3.00(mf OTS)
7922	13-3389	Dep.(mc); $7.80(ph OTS); $3.30(mf OTS)
7947	13-554	Dep.; $1.75(OTS)
7948	13-703	Dep.; $2.25(OTS)
7962	13-3369	Dep.(mc); $19.80(ph OTS); $6.30(mf OTS)
7968	13-1234	Dep.(mc); $4.80(ph OTS); $2.70(mf OTS)
7969	13-1235	Dep.(mc); $7.80(ph OTS); $3.30(mf OTS)
8050	13-1236	Dep.; $0.75(OTS)
8059	13-3264	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
8140	13-1461	Dep.(mc); $24.30(ph OTS); $7.50(mf OTS)
8584	13-2402	Phys. Rev. 112, 665-8(1958)
8623	13-1994	J. Chem. Phys. 29, 724-6(1958)
8673	13-1462	Dep.(mc); $7.80(ph OTS); $3.30(mf OTS)
8674	13-3108	Dep.(mc); $7.80(ph OTS); $3.30(mf OTS)
8675	13-3109	Dep.(mc); $9.30(ph OTS); $3.60(mf OTS)
8702	13-3986	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
8732	13-4207	Phys. Rev. 112, 994-1007(1958)
8744	13-2081	Phys. Fluids 1, 411-20(1958)
8746	13-2082	Phys. Fluids 1, 430-7(1958)
8747	13-2083	Phys. Fluids 1, 438-45(1958)
8748	13-2084	Phys. Fluids 1, 446-51(1958)

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ONR-TR (Non-AEC)		
RLT-25	13-3657	See NP-7078
ORINS		
24	13-1292	Dep.; $1.00(OTS)
ORNL		
1425(Del.)	13-1204	Dep.(mc); $6.30(ph OTS); $3.00(mf OTS)
1956(Del.)	13-2735	Dep,(mc); $6.30(ph OTS); $3.00(mf OTS)
1960	13-2074	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
2127(Pt.2(Vol.3))	13-1661	Dep.; $5.00(OTS)
2150(Del.)	13-3583	Dep.(mc); $18.30(ph OTS); $6.00(mf OTS)
2201	13-128	Dep.; $1.75(OTS)
2202	13-65	Dep.; $1.80(ph OTS); $1.80(mf OTS)
2219	13-1237	Dep.(mc); $4.80(ph OTS); $2.70(mf OTS)
2237	13-804	Dep.; $1.80(ph OTS); $1.80(mf OTS)
2278(Del.)	13-2736	Dep,(mc); $7.80(ph OTS); $3.30(mf OTS)
2292(Vol. I)	13-354	Dep.; $2.00(OTS)
2293	13-355	Dep.; $1.80(ph OTS); $1.80(mf OTS)
2330	13-66	Dep.; $1.80(ph OTS); $1.80(mf OTS)
2372	13-762	Dep.; $15.30(ph OTS); $5.40(mf OTS)
2375	13-3265	Dep.; $1.00(OTS)
2396	13-3584	Dep.; $2.75(OTS)
2402	13-3832	Dep.; $2.25(OTS)
2406	13-1386	Dep.; $1.00(OTS)
2460	13-1120	Dep.; $0.75(OTS)
2462	13-3266	Dep.; $1.25(OTS)
2469	13-585	Dep.; $0.50(OTS)
2490	13-2834	Dep.; $1.50(OTS)
2491	13-555	Dep.; $1.00(OTS)
2495	13-211	Dep.; $1.25(OTS)
2510	13-476	Dep.; $2.75(OTS)
2519	13-2059	Dep.; $0.75(OTS)
2521	13-805	Dep.; $16.80(ph OTS); $5.70(mf OTS)
2544	13-2993	Dep.; $1.50(OTS)
2558	13-67	Dep.; $0.75(OTS)
2562	13-3390	Dep.; $4.80(ph OTS); $2.70(mf OTS)
2565	13-2274	Dep.; $0.75(OTS)
2568	13-450	Dep.; $1.00(OTS)
2570	13-556	Dep.; $0.50(OTS)
2575	13-356	Dep.; $3.30(ph OTS); $2.40(mf OTS)
2577	13-1121	Dep.; $0.75(OTS)
2581	13-1238	Dep.; $0.75(OTS)
2582	13-1387	Dep.(mc); $10.80(ph OTS); $3.90(mf OTS)
2584	13-1122	Dep.; $2.75(OTS)
2592	13-3681	Dep.; $1.00(OTS)
2594	13-357	Dep.; $0.75(OTS)
2597	13-1463	Dep.; $1.00(OTS)
2603	13-3261	Dep.; $9.30(ph OTS); $3.60(mf OTS)
2605	13-1835	Dep.; $1.50(OTS)
2609	13-1464	Dep.; $3.00(OTS)
2613	13-2737	Dep.; $3.30(ph OTS); $2.40(mf OTS)
2614	13-2275	Dep.; $3.00(OTS)
2615	13-2835	Dep.; $0.50(OTS)
2619	13-1388	Paper No. 58-A-198. New York, ASME, 1958
2627	13-1123	Dep.; $1.00(OTS)
2628	13-2738	Dep.; $1.50(OTS)
2629	13-3987	Dep.; $2.75(OTS)
2635	13-2994	Dep.; $10.80(ph OTS); $3.90(mf OTS)
2644	13-3923	Dep.; $5.00(OTS)
ORO		
176	13-151	Dep.; $0.50(OTS)
178	13-1885	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
179	13-1045	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
180	13-2421	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
ORO-SP (Non-AEC)		
68(Vol.III)	13-3988	
68(Vol.IV)	13-3989	
68(Vol.V)	13-3990	
68(Vol.VI)	13-3991	
PA (Non-AEC)		
TR-2377	13-3992	
PB (Non-AEC)		
121648	13-2179	See DMIC-106
131500	13-3835	See WADC-TR-55-330
131671	13-3736	See WADC-TN-57-335
131755	13-3993	Dep.; $4.00(OTS)
131814	13-2998	See WADC-TR-58-108(Pt.1)
131816	13-3837	See WADC-TR-57-589
131972	13-3586	See WADC-TH-57-294
151061	13-3810	See DMIC-46E
PHY		
90-577F	13-2273	See NYO-6562
PL/N (Non-AEC)		
3	13-2123	Dep.(mc)
PM (Misc.)		
336	13-1210	See AECD-3745
PM-Q		
1	13-1217	See NYO-2192
2	13-1218	See NYO-2193
3	13-1219	See NYO-2194
4	13-2070	See NYO-2195
PM-S		
3	13-1215	See NYO-995
4	13-1216	See NYO-997
6	13-2069	See NYO-999
8	13-2071	See NYO-6041
10	13-2072	See NYO-6043
11	13-1222	See NYO-6044
13	13-2073	See NYO-6046
18	13-1226	See NYO-7308
19	13-1227	See NYO-7309
20	13-1228	See NYO-7310
22	13-1230	See NYO-7312
26	13-1231	See NYO-7316
31	13-1232	See NYO-7901
32	13-1233	See NYO-7902
35	13-2847	See NYO-7905
36	13-1236	See NYO-8050
PRDC-TR		
13	13-477	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
14	13-4274	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
15	13-4275	Dep.(mc); $4.80(ph OTS); $2.70(mf OTS)
PRL (Non-AEC)		
5-24	13-2739	
PTR		
314	13-940	See IDO-16463
R (Misc.)		
2	13-2187	See NP-6667
RAG (Non-AEC)		
4	13-961	Dep.(mc)
5	13-946	Dep.(mc)
6	13-947	Dep.(mc)

Report No.	Abstract No.	Availability
8	13-2560	Dep.(mc)
RDB(C) (British)		
TN-124	13-2995	Dep.
RDB(W) (British)		
TN-14	13-2740	Dep.
TN-79	13-3110	Dep.
TN-145	13-2908	Dep.
TN-182	13-3370	Dep.
RFP		
81	13-2110	Am. Ind. Hyg. Assoc. J. 19, 384-5(1958)
RISLEY (British)		
5006/90	13-3708	Dep.
RM (Misc.)		
1974(RAND)*	13-3111	
2010(AEC)(Rev.)	13-877	See AECU-3703(Rev.)
2091-AEC	13-3082	See AECU-3922
2108(RAND)*	13-2108	
2201(RAND)*	13-3833	
2271(RAND)*	13-2276	
2272-AEC	13-3083	See AECU-3923
RME		
3144	13-137	Econ. Geol. 53, 190-209(1958)
3150	13-2089	Dep.; $2.25(OTS)
3153	13-2795	Dep.; $1.50(OTS)
3156	13-2863	Dep.; $2.25(OTS)
RWC		
22-127	13-451	Dep.; $0.75(OTS)
S (Misc.)		
13761	13-925	See NP-7007
SC (Misc.)		
4174(TR)	13-4135	Dep.(mc); $19.80(ph OTS); $6.30(mf OTS)
4203(TR)	13-212	Dep.(mc); $16.80(ph OTS); $5.70(mf OTS)
SCDC		
675	13-2301	Ann. Mathematical Statistics 29, No. 3, 780-800(1958) Sept.
SCL-T		
47	13-1476	Dep.(mc); JCL
174	13-1438	Dep.(mc); JCL
196	13-166	Dep.(mc); JCL
199	13-1301	Dep.(mc); JCL
200	13-1477	Dep.(mc); JCL
201	13-1755	Dep.(mc); JCL
202	13-2295	Dep.(mc); JCL
203	13-1134	Dep.(mc); JCL
204	13-771	Dep.(mc)
205	13-1478	Dep.(mc); JCL
206	13-2130	Dep.(mc); JCL
207	13-2296	Dep.(mc); JCL
208	13-3124	Dep.(mc); JCL
209	13-3125	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
213	13-3858	Dep.(mc); JCL
214	13-4015	Dep.(mc); JCL
SCNC		
259	13-3834	Dep.(mc); $4.80(ph OTS); $2.70(mf OTS)
262	13-1836	Dep.; $1.50(OTS)
SCR		
48	13-734	Dep.(mc); $9.30(ph OTS); $3.60(mf OTS)
49	13-2909	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
51	13-2301	Ann. Mathematical Statistics 29, No. 3, 780-800(1958) Sept.
2	13-423	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
54	13-2741	Dep.; $0.50(OTS)
56	13-2124	Dep.(mc); $4.80(ph OTS); $2.70(mf OTS)
57	13-2220	Metal Progr. 74, No. 5, 104-7(1958) Nov.
58	13-3734	Dep.; $0.75(OTS)
60	13-3112	Dep.(mc); $7.80(ph OTS); $3.30(mf OTS)
SCS-M (British)		
119	13-2742	Dep.
123	13-2743	Dep.
171	13-2744	Dep.
SCTM		
133-56(16)	13-2191	Dep.(mc); $4.80(ph OTS); $2.70(mf OTS)
188-58(51)	13-3994	Dep.(mc); $6.30(ph OTS); $3.00(mf OTS)
233-58(51)	13-3113	Dep.(mc); $4.80(ph OTS); $2.70(mf OTS)
253-58(14)	13-260	Dep.(mc); $4.80(ph OTS); $2.70(mf OTS)
293-58(51)	13-4120	Dep.(mc); $6.30(ph OTS); $3.00(mf OTS)
298-58(16)	13-213	Dep.; $0.75(OTS)
299-58(16)	13-214	Dep.; $0.75(OTS)
300-58(16)	13-215	Dep.; $0.75(OTS)
318-58(16)	13-735	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
323-58(16)	13-261	Dep.; $0.75(OTS)
328-58(14)	13-1293	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
330-58(14)	13-2910	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
332-58(14)	13-736	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
341-58(51)	13-3114	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
343-58(14)	13-2911	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
362-58(14)	13-1294	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
363-58(24)	13-1465	Dep.; $0.75(OTS)
SEP (Misc.)		
249	13-1389	Dep.; $0.75(OTS)
250	13-763	Dep.; $1.00(OTS)
251	13-764	Dep.; $0.75(OTS)
SRO		
11	13-972	Dep.; $2.75(OTS)
TEI		
530	13-704	Dep.(mc); $13.80(ph OTS); $4.80(mf OTS)
534	13-705	Dep.(mc); $28.80(ph OTS); $8.40(mf OTS)
539	13-706	Dep.(mc); $6.30(ph OTS); $3.00(mf OTS)
580	13-146	The Geological Society of America, Special Paper 67
604	13-707	Dep.(mc); $7.80(ph OTS); $3.30(mf OTS)
618	13-708	Dep.(mc); $4.80(ph OTS); $2.70(mf OTS)
622	13-2864	Dep.(mc); $7.80(ph OTS); $3.30(mf OTS)
624	13-709	Dep.(mc); $13.80(ph OTS); $4.80(mf OTS)
636	13-144	Trans. Am. Geophys. Union 38, No. 6, 939-44(1957)
669	13-710	Dep.(mc); $4.80(ph OTS); $2.70(mf OTS)
682	13-133	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
683	13-134	Geochim. et Cosmochim. Acta 13, 256-9 (1958)
684	13-711	Acta Cryst. 11, 57-8(1958)
687	13-1138	Anal. Chem. 30, 1504-6(1958)
692	13-140	Geochim. et Acta 14, 93-7(1958)
694	13-1245	Am. Mineralogist 43, 749-55(1958)
TEM		
785	13-712	Dep.(mc); $4.80(ph OTS); $2.70(mf OTS)
1012	13-135	Am. Mineralogist 42, 648-56(1957)
TID		
3514	13-1046	Dep.; $2.75(OTS)
3522	13-4	Dep.; $0.25(OTS)
5342	13-1863	Dep.(mc); $7.80(ph OTS); $3.30(mf OTS)
7017	13-4247	Dep.; $4.00(OTS)

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7021(Chap.1)	13-3418	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
7021(Chap.2)	13-3418	Dep.(mc); $19.80(ph OTS); $6.30(mf OTS)
7021(Chap.3)	13-3418	Dep.(mc); $10.80(ph OTS); $3.90(mf OTS)
7021(Chap.5)	13-3418	Dep.(mc); $9.30(ph OTS); $3.60(mf OTS)
7557	13-3470	Dep.; $1.50(OTS)
7557(p.1-4)	13-3471	
7557(p.5-15)	13-3472	
7557(p.16-20)	13-3473	
7557(p.21-34)	13-3474	
7557(p.35-50)	13-3475	
7557(p.51-64)	13-3476	
7557(p.65-74)	13-3477	
7557(p.75-9)	13-3478	
7557(p.80-95)	13-3479	
7557(p.96-116)	13-3480	
7557(p.117-39)	13-3481	
TM (Misc.)		
777	13-1459	See NP-7016
TNCC(UK) (British)		
29	13-3085	For revised and declassified version see AERE-NP and R/R-2651
34	13-4136	Dep.(mc)
TOI (Non-AEC)		
58-26	13-2879	
TT (Canadian)		
743	13-1479	NRC
757	13-819	NRC
758	13-820	NRC
759	13-821	NRC
776	13-2109	NRC
777	13-2131	NRC
778	13-3126	NRC
UCLA		
392	13-1466	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
398	13-516	Dep.(mc); $4.80(ph OTS); $2.70(mf OTS)
408	13-517	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
414	13-3535	J. Biol. Chem. 232, 251-70(1958)
415	13-3536	J. Biol. Chem. 232, 271-83(1958)
417	13-3539	J. Lab. Clin. Med. 52, 541-58(1958)
UCRL		
1919	13-3687	Dep.(mc); $7.80(ph OTS); $3.30(mf OTS)
3022	13-309	Nuovo cimento (10) 4, Suppl. No. 2, 230-2 (1956)
3623	13-1467	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
3628	13-1662	Dep.(mc); $4.80(ph OTS); $2.70(mf OTS)
3704	13-3204	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
3734(Rev.)	13-790	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
3749(Rev.)	13-4161	Phys. Rev. 112, 968-78(1958)
3783	13-1550	Dep.(mc); $16.80(ph OTS); $5.70(mf OTS)
4550	13-3688	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
4558	13-2848	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
4570	13-3689	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
4571	13-3690	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
4573	13-2849	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
4580	13-2850	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
4646	13-3691	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
4665	13-1295	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
4696	13-3692	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
4766	13-2851	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
4815	13-2257	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
4844	13-1468	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
4874(Rev.)	13-948	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
4881	13-2852	Dep.(mc); $4.80(ph OTS); $2.70(mf OTS)
4905	13-2853	Dep.(mc); $6.30(ph OTS); $3.00(mf OTS)
4927-T	13-4068	Dep.(mc); $7.80(ph OTS); $3.30(mf OTS)
4938	13-2277	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
4939	13-3506	pp.148-9 in "1957 Fourth National Symposium on Vacuum Technology Transactions."
4965	13-2837	Anal. Chem. 30, 1907-8(1958)
4972	13-3495	pp.95-6 in "1957 Fourth National Symposium on Vacuum Technology Transactions."
5005	13-2469	Phys. Rev. 112, 226-9(1958)
5038(Rev.)	13-1469	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
5039	13-121	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
5044	13-2854	Dep.(mc); $6.30(ph OTS); $3.00(mf OTS)
5074	13-1701	Phys. Rev. 111, 1604-6(1958)
5082	13-398	Nuclear Sci. and Eng. 4, 495-8(1958)
5102	13-122	Dep.; $0.50(OTS)
5109-T	13-2075	Dep.(mc); $7.80(ph OTS); $3.30(mf OTS)
5111-T	13-123	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
5116(Pt.1)	13-262	Dep.(mc); $4.80(ph OTS); $2.70(mf OTS)
5116(Pt.2)	13-262	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
5120-T(Rev.)	13-806	Dep.(mc); $4.80(ph OTS); $2.70(mf OTS)
5171	13-2485	Phys. Rev. 112, 518-31(1958)
5172	13-2486	Phys. Rev. 112, 532-5(1958)
5222-T	13-2479	Phys. Rev. 112, 486-7(1958)
5242	13-1470	Dep.; $1.00(OTS)
5246	13-263	Dep.; $0.50(OTS)
5248	13-264	Dep.; $0.50(OTS)
5249	13-265	Dep.; $0.50(OTS)
5250	13-266	Dep.; $0.75(OTS)
5251	13-807	Dep.; $0.75(OTS)
5253	13-3115	Dep.; $1.75(OTS)
5255	13-2087	Dep.; $0.50(OTS)
5267-T	13-2771	J. Chem. Phys. 29, 677(1958)
5271	13-3995	Dep.(mc); $19.80(ph OTS); $6.30(mf OTS)
5281	13-2278	Dep.; $0.50(OTS)
5285	13-1239	Dep.; $1.00(OTS)
5286	13-1240	Dep.; $1.00(OTS)
5292-T	13-1561	Phys. Rev. 111, 1657-8(1958)
5300	13-3694	Phys. Fluids 1, 489-94(1958)
5310	13-808	Dep.; $1.00(OTS)
5317-T	13-1551	Dep.; $0.50(OTS)
5323	13-2279	Dep.; $0.50(OTS)
5347	13-3116	Dep.; $1.80(ph OTS); $1.80(mf OTS)
5368	13-4293	Dep.; $1.25(OTS)
5407	13-3996	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
8032(Rev.)	13-899	Phys. Rev. 111, 1358-73(1958)
8098	13-3294	J. Inorg. and Nuclear Chem. 7, 197-8(1958)
8118	13-3295	J. Inorg. and Nuclear Chem., 7, 199-200 (1958)
8148	13-3752	IRE Trans. Nuclear Sci. NS-5, 77-81 (1958)
8189	13-518	Dep.; $2.00(OTS)
8196	13-885	Nuclear Phys. 8, 143-54(1958)
8199	13-1563	Phys. Rev. 111, 1707-9(1958)
8203	13-519	Dep.; $2.25(OTS)
8226	13-2484	Phys. Rev. 112, 512-18(1958)
8237	13-1886	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
8264	13-2465	Phys. Rev. 112, 186-90(1958)

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8270	13-2824	Radiation Research 9, 647-59(1958)
8275	13-1444	Rev. Sci. Instr. 29, 898-9(1958)
8277	13-1335	Rev. Sci. Instr. 29, 874-9(1958)
8278	13-520	Dep.(mc); $6.30(ph OTS); $3.00(mf OTS)
8290	13-3221	Nuclear Phys. 8, 675-91(1958)
8296	13-247	Dep.; $0.50(OTS)
8320	13-1988	J. Am. Chem. Soc. 80, 5046-7(1958)
8331	13-2400	Phys. Rev. 112, 622-3(1958)
8334	13-1437	Dep.; $0.75(OTS)
8337	13-4075	Phys. Rev. 112, 963-6(1958)
8342	13-1531	Rev. Sci. Instr. 29, 895-6(1958)
8356	13-68	Dep.; $1.80(ph OTS); $1.80(mf OTS)
8377	13-3924	Dep.; $2.00(OTS)
8387	13-809	Dep.; $2.00(OTS)
8401	13-722	Dep.; $0.75(OTS)
8415	13-267	Dep.; $0.75(OTS)
8423	13-1663	Dep.; $2.50(OTS)
8431	13-1566	Phys. Rev. Letters 1, 296-8(1958)
8441	13-2001	J. Chem. Phys. 29, 950-1(1958)
8445	13-1713	Phys. Rev. Letters 1, 293-5(1958)
8456	13-1047	Dep.; $0.50(OTS)
8458	13-1712	Phys. Rev. Letters 1, 292-3(1958)
8476	13-1887	Dep.; $3.30(ph OTS); $2.40(mf OTS)
8480	13-2280	Dep.; $0.50(OTS)
8482	13-2912	Dep.(mc); $6.30(ph OTS); $3.00(mf OTS)
8515	13-2913	Dep.(mc); $4.80(ph OTS); $2.70(mf OTS)
8524	13-2636	Dep.(mc); $6.30(ph OTS); $3.00(mf OTS)
8525	13-3522	Dep.(mc); $4.80(ph OTS); $2.70(mf OTS)
8528	13-3267	Dep.; $2.50(OTS)
8530	13-3735	Dep.; $0.50(OTS)
8544	13-4091	Phys. Rev. Letters 2, 11-12(1959)
UCRL-Trans		
299	13-2297	Dep.(mc); JCL
366	13-525	Dep.(mc); JCL
367	13-1059	Dep.(mc); JCL
368	13-2756	Dep.(mc); JCL
370	13-2032	Dep.(mc); JCL
372	13-3127	Dep.(mc); JCL
373	13-4198	Dep.(mc); JCL
UK-C (Canadian)		
5/117	13-2192	
6/126	13-216	Dep.(mc)
UR		
465	11-836	Radiation Research 9, 445-50(1958)
527	13-1048	Dep.; $4.80(ph OTS); $2.70(mf OTS)
529	13-1049	Dep.; $2.00(OTS)
532	13-723	Dep.; $1.00(OTS)
533	13-1050	Dep.; $0.75(OTS)
534	13-152	Dep.; $1.00(OTS)
535	13-13	Dep.; $4.80(ph OTS); $2.70(mf OTS)
536	13-1051	Dep.; $3.30(ph OTS); $2.40(mf OTS)
USNRDL-TR (Non-AEC)		
232	13-3709	
250	13-14	
251	13-164	
253	13-153	
254	13-521	
255	13-1471	
256	13-724	
258	13-1296	
259	13-1052	
262	13-2532	
266	13-2422	
268	13-1189	
269	13-3997	
270	13-1888	
271	13-2637	
272	13-2282	
275	13-1889	
276	13-2030	
278	13-2638	
279	13-3117	
280	13-4137	
284	13-3523	
285	13-3585	
288	13-3998	
UWFL		
53	13-725	Dep.; $1.50(OTS)
54	13-2880	Dep.; $1.00(OTS)
55	13-2881	Dep.; $1.00(OTS)
56	13-2882	Dep.; $1.00(OTS)
WADC-TH (Non-AEC)		
57-294	13-3586	$0.50(OTS)
WADC-TN (Non-AEC)		
57-335	13-3736	$1.00(OTS)
58-91	13-3999	
58-105	13-1297	
WADC-TR (Non-AEC)		
55-330	13-3835	$1.25(OTS)
55-463(Pt.2)	13-1390	OTS
56-184(Pt.3)	13-765	
56-400(Pt.1)	13-1391	
56-436	13-2883	
57-242(Pt.2)	13-2996	
57-343(Pt.2)	13-3836	OTS
57-374(Pt.IV)	13-2125	
57-391(Pt.2)	13-2745	
57-589	13-3837	Dep.; $1.00(OTS)
57-662	13-3838	OTS
58-13(Pt.1)	13-2997	
58-89	13-2746	
58-105	13-3839	OTS
58-108(Pt.1)	13-2998	Dep.; $1.25(OTS)
58-128	13-2999	
58-152	13-3000	
58-161	13-2193	OTS
58-164(Pt.1)	13-1392	
58-182	13-3840	OTS
58-203	13-3841	
58-204	13-3001	
58-230	13-3002	
58-269	13-3842	OTS
58-328	13-3843	OTS
58-365	13-2194	
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401/257	13-1393	
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WAL-TR (Non-AEC)		
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893.3/2	13-3003	
WAPD		
188	13-873	Dep.; $3.00(OTS)

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201	13-810	Dep.; $1.00(OTS)
WAPD-AT		
172	13-2561	Dep.(mc); $4.80(ph OTS); $2.70(mf OTS)
WAPD-A1W		
(M)-1125	13-1395	Dep.(mc); $6.30(ph OTS); $3.00(mf OTS)
WAPD-BT		
9	13-1837	Dep.; $2.50(OTS)
9(p.1-8)	13-1838	
9(p.9-15)	13-1839	
9(p.16-19)	13-1840	
9(p.20-9)	13-1841	
9(p.30-8)	13-1842	
9(p.39-50)	13-1843	
9(p.51-9)	13-1844	
9(p.60-8)	13-1845	
9(p.69-77)	13-1846	
9(p.78-83)	13-1847	
9(p.84-7)	13-1848	
WAPD-CDA		
(1)-88	13-2586	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
WAPD-CTA		
(GLA)-154(Rev.1)	13-1124	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
(GLA)-155(Rev.1)	13-1125	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
(GLA)-156(Rev.1)	13-557	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
(GLA)-157(Rev.1)	13-558	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
(GLA)-180(Rev.1)	13-559	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
(GLA)-182(Rev.1)	13-1126	Dep.; $1.80(ph OTS); $1.80(mf OTS)
(GLA)-192(Rev.1)	13-560	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
(GLA)-193(Rev.1)	13-1127	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
(GLA)-323	13-561	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
(GLA)-326	13-1128	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
WAPD-EM		
196	13-1849	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
WAPD-IPC		
449	13-1396	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
WAPD-MRP		
75	13-962	Dep.; $2.25(OTS)
7009	13-767	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
WAPD-P		
564	13-3118	Dep.(mc); $4.80(ph OTS); $2.70(mf OTS)
WAPD-PM		
22(Del.)	13-3587	Dep.(mc); $4.80(ph OTS); $2.70(mf OTS)
WAPD-PMM		
61	13-3844	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
79	13-3004	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
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1481	13-2586	See WAPD-CDA(1)-88
CP-2636	13-2543	Dep.(mc); $12.30(ph OTS); $4.50(mf OTS)
FEm-106	13-768	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
PC-249	13-1850	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
PC-1348	13-963	Dep.(mc); $6.30(ph OTS); $3.00(mf OTS)
PC-1569	13-1851	Dep.(mc); $4.80(ph OTS); $2.70(mf OTS)
PCR-207	13-964	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
Ph-146(Del.)	13-737	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
Ph-314	13-4276	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
PMA-1317	13-965	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
PMF-278(Issue 2)	13-966	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
PMF-311	13-933	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
PMF-360	13-967	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
PMF-1070	13-4277	Dep.(mc); $4.80(ph OTS); $2.70(mf OTS)
PMM-1103	13-1788	Dep.(mc); $4.80(ph OTS); $2.70(mf OTS)
PPM-1879	13-3005	Dep.(mc); $4.80(ph OTS); $2.70(mf OTS)
RD-566	13-2587	Dep.(mc); $73.80(ph OTS); $11.10(mf OTS)
TE-12	13-4278	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
TE-13	13-4279	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
TE-14	13-4280	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
TE-22	13-3419	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
TE-31	13-4281	Dep.(mc); $1.80(ph OTS); $1.80(mf OTS)
WAPD-ReV		
(A)-30	13-769	Dep.(mc); $4.80(ph OTS); $2.70(mf OTS)
WAPD-SFR		
Ch-138	13-770	
WAPD-T		
15	13-2281	Dep.(mc); $4.80(ph OTS); $2.70(mf OTS)
205	13-949	Dep.(mc); $12.30(ph OTS); $4.50(mf OTS)
WAPD-TH		
357	13-338	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
408	13-339	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
437	13-340	Dep.(mc); $6.30(ph OTS); $3.00(mf OTS)
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101	13-3845	Dep.(mc); $10.80(ph OTS); $3.90(mf OTS)
116	13-1817	Dep.; $2.50(OTS)
141	13-3846	Dep.; $1.75(OTS)
147	13-2195	Dep.(mc); $9.30(ph OTS); $3.60(mf OTS)
157	13-2562	Dep.; $0.75(OTS)
WAPD/TN		
456	13-4121	Dep.(mc); $4.80(ph OTS); $2.70(mf OTS)
WAPD-ZH		
11	13-1397	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
WCAP		
433	13-4282	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
918	13-3588	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
1029	13-2563	Dep.(mc); $7.80(ph OTS); $3.30(mf OTS)
WCLT-TM (Non-AEC)		
57-93	13-2914	
WIN		
53	13-973	Dep.(mc); $4.80(ph OTS); $2.70(mf OTS)
83	13-3439	Dep.(mc); $7.80(ph OTS); $3.30(mf OTS)
100	13-3440	Dep.(mc); $7.80(ph OTS); $3.30(mf OTS)
101	13-4294	Dep.(mc); $10.80(ph OTS); $3.90(mf OTS)
103	13-974	Dep.(mc); $6.30(ph OTS); $3.00(mf OTS)
108	13-975	Dep.(mc); $7.80(ph OTS); $3.30(mf OTS)
114	13-4295	Dep.(mc); $10.80(ph OTS); $3.90(mf OTS)
WKNL (Non-AEC)		
75	13-3391	
83	13-3392	
WSL-R (British)		
39	13-2747	Dep.
WT		
1189	13-1268	Dep.; $2.50(OTS)
1530	13-1298	Dep.; $1.25(OTS)
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190	13-3370	See RDB(W)TN-182
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58-6-83	13-4237	See APEX-442
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58-10-105	13-3945	See APEX-443
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YAEC		

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60	13-968	Dep.; $4.00(OTS)
67	13-3006	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
72	13-969	Dep.(mc); $4.80(ph OTS); $2.70(mf OTS)
76	13-4283	Dep.(mc); $9.30(ph OTS); $3.60(mf OTS)
81	13-3420	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
83	13-4284	Dep.(mc); $18.30(ph OTS); $6.00(mf OTS)
85	13-2564	Dep.(mc); $4.80(ph OTS); $2.70(mf OTS)
86	13-811	Dep.(mc); $6.30(ph OTS); $3.00(mf OTS)
87	13-4285	Dep.; $2.75(OTS)
90	13-4286	Dep.(mc); $7.80(ph OTS); $3.30(mf OTS)
99	13-1852	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)

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A (Misc.)		
2173(WEC)	10-8395	PB-151004; $2.50(OTS)
A/Conf-15/P (Misc.)		
695	12-14839	Superseded by AECU-3941
AECD		
3636	8-5545	J. Electrochem. Soc. 106: 96-102(1959)
AECU		
187	2-2000	Dep.(mc); $12.30(ph OTS); $4.50(mf OTS)
3688	12-10054	Superseded by NP-7042
3703	12-12875	Superseded by AECU-3703(Rev.)
AERE-C (British)		
R-1670	11-12955	J. Inorg. and Nuclear Chem. 5: 1-5(1957)
R-1935	11-5274	J. Chem. Soc. 509-12(1957)
R-2007	11-8879	J. Inorg. & Nuclear Chem. 4, Nos. 3 and 4, 220-4(1957)
AERE-Inf/Bib (British)		
97	10-7376	Superseded by AERE-READING LIST-2
102	10-7695	Superseded by AERE-READING LIST-4
AERE-M (British)		
R-1235	11-5283	Rev. mét. 53, No. 3, 189-203(1956)
R-1969	11-1389	Phil. Mag. (8) 1: 711-17(1956)
AF-SAM (Non-AEC)		
58-59	12-8926	Am. J. Physiol. 196: 156-8(1959)
BMI (Misc.)		
1061	11-12472	Welding J. (N. Y.) 37, 499s-506s(1958)
1064	11-5230	J. Phys. Chem. 61: 337-44(1957)
BNL		
3322	11-10747	Nucleonics 15: No. 7, 104-6(1957)
CEA (Misc.)		
667	11-6155	Compt. rend. 244: 1358-61(1957)
719	11-12125	Compt. rend. 245: 523-6(1957)
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51849	12-2320	Pt. 1; Corrosion 15: 9t-12t(1959), Pt. 2; Corrosion 15: 13t-16t(1959)
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14435	12-10387	Anal. Chem. 31: 10-16(1959)
INSJ (Non-AEC)		
3	12-6663	Nuovo cimento (10) 8: Suppl. No. 2, 668-71(1958)
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1607	11-970	J. Am. Ceram. Soc. 41: 551-4(1958)
MDDC		
1695	10-2458	See BP-60
NEPA (Non-AEC)		
547-IHR-C-10	3-2119	Dep.(mc); $6.30(ph OTS); $3.00(mf OTS)
878-EMR-43	5-6641	Dep.(mc); $3.30(ph OTS); $2.40(mf OTS)
926-IER-11	2-2000	See AECU-187
929	8-3365	Dep.(mc); $7.80(ph OTS); $3.30(mf OTS)
NP (AEC File No. for Non-AEC Reports)		
6859	12-14305	Nuclear Phys. 9: 347-54(1958)
6906	12-15749	Zhur. Eksptl'. i Teoret. Fiz. 35: 1131-4 (1958)
NYO		
8547	12-15724	Rev. Sci. Instr. 29: 1142-3(1958)
8737	12-14887	See A/CONF.15/P/2170
8739	12-14885	See A/CONF.15/P/1875
8745	12-14863	See A/CONF.15/P/364
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2022	10-9565	Phys. Rev. 102: 797-9(1956)
2365	12-2367	Health Physics 1: 315-31(1958)
RFP		
80	12-7705	J. Electrochem. Soc. 105: 607-9(1958)
TEI		
532	11-13330	U. S. Geol. Survey Bull. 1059-B. 1957.
UCLA		
380	11-897	Soil Sci. 86: No. 4, 195-201(1958)
UCRL		
8025	12-5061	Phys. Rev. 108: 1557-61(1957) (Condensed)
8165	12-8549	J. Am. Chem. Soc. 80: 4793-6(1958)
8435	12-4067	Arch. Biochem. Biophys. 73: 38-42(1958)
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217	12-8927	Radiation Research 10: 30-6(1959)
226	12-8928	Radiation Research 10: 80-8(1959)
227	12-9575	Radiation Research 10: 67-79(1959)
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PMM-1062	12-1372	Superseded by WAPD-PWR-PMM-1247

SUBJECT INDEX

Main entries in this index are generally specific materials, things, and processes. These are followed by modifiers that describe the properties of, and processes applied to, the main entries.

As an aid to the users of this index, references to report numbers, where appropriate, are included after the abstract number of the citation.

The number preceding the colon is the *NSA* volume number, and the number following is the abstract number in that volume. The designation (R) following the abstract number indicates that the abstract is of a progress report; (P) indicates a patent; and (T) indicates a translation. Abstracts for reports other than progress reports carry no letter designation. Published literature (journal article or book) is identifiable by the absence of a report number.

General Indexing Style

The user should bear in mind that the ideas presented in the original literature, rather than key words, have been indexed. The indexers have tried to select what seemed the most probable and logical place to look for typical information. Since it is not possible to anticipate where a user would look for information, numerous cross references are included to assist him in his search.

Experience in using an index of this type will be the best guide in obtaining the desired information, and a consideration of synonymous or closely related terms will prove valuable.

Information must be so indexed as to be of the greatest use to the greatest number of users. This requires that a topic be indexed to headings which most specifically describe it and not ordinarily to the headings which describe its ultimate use, nor to the general class headings which include the specific headings. For example, information on the treatment of thyroid disease with I^{131} would be indexed under Thyroid diseases and under Iodine isotopes I^{131}, but not necessarily under Radiotherapy. A study of the effects of x radiation on hair would be indexed under both X radiation and Hair. However, the information would not be indexed under the experimental animal, e.g., Rats, unless the report discusses the effects on rat hair as compared with the effect on the hair of other animals.

The broad, general class headings are used only for general information or for comprehensive reports or articles.

Subject Heading Styles

Generally, the direct form of subject entry is used rather than inverted headings or, in some cases, subheadings; e.g., Amino acids rather than Acids, amino; or Helium — He^4 isotopes. Note, however, that in some Helium isotopes He^4 rather than Helium — isotopes He^4 cases modifying terms are used parenthetically in preference to a more direct type of entry which would result in the scattering of information; e.g., Sodium (liquid) rather than Liquid sodium. Organic compounds, on the contrary, are usually entered in the index in the inverted form so that substituted compounds are listed near the parent compound; e.g., Benzene, bromo- rather than Bromobenzene. In general, the style of nomenclature used is that of *Chemical Abstracts*, except that some items listed in that publication as subheadings are elevated to form part of the main heading; e.g., Butyric acid, ethyl esters rather than Butyric acid — ethyl esters. Salts of organic acids are indexed in a similar fashion.

Alphabetization

Main headings are listed in alphabetic order. A parenthetic qualifier following a main heading is disregarded in alphabetizing unless there are two or more headings identical except for the parenthetic qualifier, in which case the qualifier determines the order; e.g., Sodium, Sodium (gaseous), Sodium (liquid), Sodium acetates.

Nomenclature of Inorganic Compounds

Inorganic compounds are indexed in the direct form, listing cations in the order of increasing valence in the case of polycationic salts of varying valence and in alphabetic order for polycationic salts in which all cations have the same valence; e.g., Sodium aluminum sulfates and Potassium sodium sulfates.

Multicomponent Systems

Multicomponent systems, such as alloys, are indexed only at the heading which results when all components are arranged alphabetically. *See* references are entered under the headings which result from placing, in turn, each component first with all other components following in alphabetic order.

Modifying Phrases (Subheadings)

Descriptive phrases (modifiers), rather than ordinary

subheadings, are used under the main headings to give a better indication of the material covered in an abstract than would be possible with only a word or two whenever it appears that such information would be useful. Such phrases are written so that the idea considered most important is presented first, should a not-too-awkward expression result. However, in searching this index it is advisable to scan all modifiers under a main heading to determine whether any abstracts in addition to the most obvious should be consulted for the desired information. Many of the modifiers are designed to be read in inverted order or to be read with the main heading inserted at the position of the comma in order to obtain a meaningful phrase; e.g., Uranium—allotropic transformation temperatures of, effect of cooling rate on is read "effect of cooling rate on allotropic transformation temperatures of uranium." In many cases, the prepositions have been omitted from such phrases provided that no ambiguity results from the omission.

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of a plurality of the tubular fuel elements arranged in parallel and a closed manifold connected to their ends. In the reactor the core structure is dispersed in a water moderator and coolant within a pressure vessel, and a means connected to said manifold is provided for withdrawing and disposing of mobile fission product contamination from the interior of the fuel tubes and manifold.

4335

NEUTRONIC REACTOR CONSTRUCTION. H. C. Vernon and J. J. Goett (to U. S. Atomic Energy Commission). U. S. Patent 2,851,410. Sept. 9, 1958.

A cover device is described for the fuel element receiving tube of a neutronic reactor of the heterogeneous, water cooled type wherein said tubes are arranged in a moderator with their longitudinal axes vertical. The cover is provided with means to support a rod-type fuel element from the bottom thereof and means to lock the cover in place, the latter being adapted for remote operation. This cover device is easily removable and seals the opening in the upper end of the fuel tube against leakage of coolant.

4336

METHOD OF PURIFYING CATALYSTS. G. G. Joris (to U. S. Atomic Energy Commission). U. S. Patent 2,851,427. Sept. 9, 1958.

It has been found that the presence of chlorine as an impurity adversely affects the performance of finely divided platinum catalysts such as are used in the isotopic exchange process for the production of heavy water. This chlorine impurity may be removed from these catalysts by treating the catalyst at an elevated temperature with dry hydrogen and then with wet hydrogen, having a hydrogen-water vapor volume of about 8 : 1. This alternate treatment by dry hydrogen and wet hydrogen is continued until the chlorine is largely removed from the catalyst.

4337

CALUTRON RECEIVERS. E. J. Lofgren (to U. S. Atomic Energy Commission). U. S. Patent 2,851,607. Sept. 9, 1958.

Improvements are described in isotope separation devices of the calutron type and, in particular, deals with a novel calutron receiver which passes the optimum portions of the ion beam to a collecting chamber. In its broad aspects the receiver provides means for passing a delimited portion of the beam and an elongated collecting pocket disposed to receive ions passed by the beam delimiting means. The collecting pocket is transversely partitioned into a plurality of ion receiving compartments respectively defined by a corresponding plurality of separately removable liner elements.

4338

ION PRODUCING MECHANISM (ARC EXTERNAL TO BLOCK). W. H. Brobeck (to U. S. Atomic Energy Commission). U. S. Patent 2,851,609. Sept. 9, 1958.

This patent pertains to an ion producing mechanism employed in a calutron which has the decided advantages of an increased amount of ionization effectuated by the arc, and a substantially uniform arc in point of time, in arc location and along the arc length. The unique features of the disclosed ion source lie in the specific structural arrangement of the source block, gas ionizing passage, filament shield and filament whereby the arc is established both within the ionizing passage and immediately outside the exit of the ionizing passage at the block face.

4339

PLURAL METALLIC COATINGS ON URANIUM AND METHOD OF APPLYING SAME. A. G. Gray (to U. S. Atomic Energy Commission). U. S. Patent 2,851,766. Sept. 16, 1958.

A method is described of applying protective coatings to uranium articles. It consists in applying chromium plating to such uranium articles by electrolysis in a chromic acid bath and subsequently applying, to this chromium surface, molten aluminum metal or aluminum containing alloy. This aluminum containing alloy (for example one of aluminum and silicon) may then be used as a bonding alloy between the chromized surface and an aluminum can.

4340

FLUID SELECTING APPARATUS. W. J. Stinson (to U. S. Atomic Energy Commission). U. S. Patent 2,852,041. Sept. 16, 1958.

A valve designed to selectively sample fluids from a number of sources is described. The valve comprises a rotatable operating lever connected through a bellows seal to a rotatable assembly containing a needle valve, bearings, and a rotational lock. The needle valve is connected through a flexible tube to the sample fluid outlet. By rotating the lever the needle valve is placed over one of several fluid sources and locked in position so that the fluid is transferred through the flexible tubing and outlet to a remote sampling system. The fluids from the nonselected sources are exhausted to a waste line. This valve constitutes a simple, dependable means of selecting a sample from one of several sources.

4341

SLUG HANDLING DEVICES. J. R. Gentry (to U. S. Atomic Energy Commission). U. S. Patent 2,852,301. Sept. 16, 1958.

A device is described for handling fuel elements of a neutronic reactor. The device consists of two concentric telescoped containers that may fit about the fuel element. A number of ratchet members, equally spaced about the entrance to the containers, are pivoted on the inner container and spring biased to the outer container so that they are forced to bear against and hold the fuel element, the weight of which tends to force the ratchets tighter against the fuel element. The ratchets are released from their hold by raising the inner container relative to the outer member. This device reduces the radiation hazard to the personnel handling the fuel elements.

4342

THRUST BEARING. P. R. Heller (to U. S. Atomic Energy Commission). U. S. Patent 2,852,319. Sept. 16, 1958.

A thrust bearing suitable for use with a rotor or blower that is to rotate about a vertical axis is described. A centrifugal jack is provided so that the device may operate on one bearing at starting and lower speeds, and transfer the load to another bearing at higher speeds. A low viscosity fluid is used to lubricate the higher speed operation bearing, in connection with broad bearing surfaces, the ability to withstand great loads, and a relatively high friction loss, as contrasted to the lower speed operation bearing which will withstand only light thrust loads but is sufficiently friction-free to avoid bearing seizure during slow speed or startup operation. An axially aligned shaft pin provides the bearing surface for low rotational speeds, but at higher speed, weights operating against spring tension

withdraw the shaft pin into the bearing proper and the rotor shaft comes in contact with the large bearing surfaces.

4343

PEROXIDE PROCESS FOR SEPARATION OF RADIOACTIVE MATERIALS. G. T. Seaborg and I. Perlman (to U. S. Atomic Energy Commission). U. S. Patent 2,852,336. Sept. 16, 1958.

A method is described of separating plutonium, in the reduced state, from hexavalent uranium. It consists in treating an aqueous solution containing such uranium and plutonium ions with sulfate ions in order to form a soluble uranium sulfate complex and then treating the solution with a soluble thorium compound and a soluble peroxide compound in order to form a thorium peroxide carrier precipitate which carries down with it the plutonium peroxide present. During this treatment the pH of the solution must be maintained between 2 and 3.

4344

PROCESSES OF CHLORINATION OF URANIUM OXIDES. S. Rosenfeld (to U. S. Atomic Energy Commission). U. S. Patent 2,852,337. Sept. 16, 1958.

An improvement is described in the process for making UCl_4 from uranium oxide and carbon tetrachloride. In that process, oxides of uranium are contacted with carbon tetrachloride vapor at an elevated temperature. It has been found that the reaction product and yield are improved if the uranium oxide charge is disposed in flat trays in the reaction zone, to a depth of not more than $\frac{1}{2}$ centimeter.

4345

SEPARATION OF PLUTONIUM FROM ELEMENTS HAVING AN ATOMIC NUMBER NOT LESS THAN 92. F. T. Fitch and D. S. Russell (to U. S. Atomic Energy Commission). U. S. Patent 2,852,338. Sept. 16, 1958.

A method is described for separating plutonium from other elements having atomic numbers not less than 92. It has been proposed in the past to so separate plutonium by solvent extraction into an organic solvent using triglycoldichloride as the organic solvent. The improvement lies in the discovery that triglycoldichloride performs far more efficiently as an extractant, when certain second organic compounds are added to it. Mentioned as satisfactory additive compounds are benzaldehyde, saturated aliphatic aldehydes containing at least two carbon atoms, and certain polyhydric phenols.

4346

APPARATUS FOR LIQUID PHASE EXTRACTION. T. E. Hicks, H. R. Lehman, and B. Rubin (to U. S. Atomic Energy Commission). U. S. Patent 2,852,349. Sept. 16, 1958.

A pulse extraction device adapted for inverted density operation is described. It comprises a tubular column having upper and lower enlarged terminal portions, and a constricted central section containing fluid dispersal packing. Pulsing means are coupled to the upper portion of the column. The inlet for the less dense phase is located above the inlet for the denser phase and both are positioned so that liquids enter the constricted packing-filled central section. The apparatus also includes an interfacing level control, and means for sensing the level of the interface actuate apparatus for controlling the rate of flow of input or discharge. The outlet for the less dense phase is located in the upper packing free portion of the column and that of the denser phase in the lower portion.

4347

MELTING AND PURIFICATION OF URANIUM. F. H. Spedding and C. F. Gray (to U. S. Atomic Energy Commission). U. S. Patent 2,852,364. Sept. 16, 1958.

A process is described for treating uranium ingots having inner metal portions and an outer oxide skin. The method consists in partially supporting such an ingot on the surface of a grid or pierced plate. A sufficient weight of uranium is provided so that when the mass becomes molten, the oxide skin bursts at the unsupported portions of its bottom surface, allowing molten uranium to flow through the burst skin and into a container provided below.

4348

PROCESS OF DECONTAMINATING MATERIAL CONTAMINATED WITH RADIOACTIVITY. D. C. Overholt, M. D. Peterson, and M. F. Acken (to U. S. Atomic Energy Commission). U. S. Patent 2,852,419. Sept. 16, 1958.

A process is described for decontaminating metallic objects, such as stainless steel equipment, which consists in contacting such objects with nitric acid in a concentration of 35 to 60% to remove the major portion of the contamination; and thereafter contacting the partially decontaminated object with a second solution containing up to 20% of alkali metal hydroxide and up to 20% sodium tartrate to remove the remaining radioactive contaminants.

4349

NEUTRONIC REACTOR. E. J. Wade (to U. S. Atomic Energy Commission). U. S. Patent 2,852,456. Sept. 16, 1958.

This patent relates to a reflector means for a neutronic reactor. A reflector comprised of a plurality of vertically movable beryllium control members is provided surrounding the sides of the reactor core. An absorber of fast neutrons comprised of natural uranium surrounds the reflector. An absorber of slow neutrons surrounds the absorber of fast neutrons and is formed of a plurality of beryllium blocks having natural uranium members distributed therethrough. In addition, a movable body is positioned directly below the core and is comprised of a beryllium reflector and an absorbing member attached to the bottom thereof, the absorbing member containing a substance selected from the group consisting of natural uranium and Th^{232}.

4350

NUCLEAR REACTORS. E. Long and J. W. Ashby (to U. S. Atomic Energy Commission). U. S. Patent 2,852,457. Sept. 16, 1958.

A graphite moderator structure is presented for a nuclear reactor comprised of an assembly of similarly orientated prismatic graphite blocks arranged on spaced longitudinal axes lying in common planes wherein the planes of the walls of the blocks are positioned so as to be twisted relative to the planes of said axes so that the unimpeded direct paths in direction wholly across the walls of the blocks are limited to the width of the blocks plus spacing between the blocks.

4351

APPARATUS FOR CONTROLLING NEUTRONIC REACTORS. J. R. Dietrich and J. M. Harrer (to U. S. Atomic Energy Commission). U. S. Patent 2,852,458. Sept. 16, 1958.

A device is described for rapidly controlling the reactivity of an active portion of a reactor. The invention consists of coaxially disposed members each having

circumferential sections of material having different neutron absorbing characteristics and means for moving the members rotatably and translatably relative to each other within the active portion to vary the neutron flux therein. The angular and translational movements of any member change the neutron flux shadowing effect of that member upon the other member.

4352

APPARATUS FOR DETECTING AND LOCATING PRESENCE OF FLUIDS. R. R. Williamson (to U. S. Atomic Energy Commission). U. S. Patent 2,852,459. Sept. 16, 1958.

A system is described for detecting water leaks in water-cooled neutronic reactors by utilizing an electrical hygrometer having a resistance element variable with the moisture content. The graphite blocks, forming the moderator in many types of reactors, contain ducts in which helium gas is circulated. When a leak occurs in a coolant tube, the water will seep through the graphite until it oozes into one of the helium ducts, where it will be swept along with the helium into a system of pipes that connect each of the helium ducts. By inserting an electric hygrometer in each of these pipes and connecting it to an alarm system, the moisture content of the helium will cause a change in the electrical resistance of the hygrometer which will initiate a signal alarm indicating the presence and position of the leaky water tube in the reactor.

4353

FUEL-BREEDER FUEL ELEMENT FOR NUCLEAR REACTOR. W. E. Abbott and R. Balent (to U. S. Atomic Energy Commission). U. S. Patent 2,852,460. Sept. 16, 1958.

A fuel element design to facilitate breeding reactor fuel is described. The fuel element is comprised of a container, a central core of fertile material in the container, a first bonding material surrounding the core, a sheet of fissionable material immediately surrounding the first bonding material, and a second bonding material surrounding the fissionable material and being in contact with said container.

4354

NEUTRONIC REACTOR. E. Fermi, W. H. Zinn, and H. L. Anderson (to U. S. Atomic Energy Commission). U. S. Patent 2,852,461. Sept. 16, 1958.

Means are presented for increasing the reproduction ratio of a graphite-moderated neutronic reactor by diminishing the neutron loss due to absorption or capture by gaseous impurities within the reactor. This means is comprised of a fluid-tight casing or envelope completely enclosing the reactor and provided with a valve through which the casing, and thereby the reactor, may be evacuated of atmospheric air.

4355

ION SOURCE FOR CALUTRONS. J. R. Tolmie (to U. S. Atomic Energy Commission). U. S. Patent 2,852,685. Sept. 16, 1958.

An improvement is presented in ion sources of the type employed in calutron devices. The described ion source has for its inventive contribution the incorporation of a plate-like cathode having the general configuration of a polygon including a given number of apices. When a polyphase source of current has a phase connected to each of the apices, the cathode is heated and rendered electron emissive. This particular cathode configuration is of sturdy construction and provides uniform emission over a considerable area.

4356

CALUTRON RECEIVERS. K. R. MacKenzie (to U. S. Atomic Energy Commission). U. S. Patent 2,852,686. Sept. 16, 1958.

A novel calutron receiver is described for collecting the constituent material of two closely adjacent selected portions of an ion beam in separate compartments. The receiver is so constructed that ion scatter and intermixing of the closely adjacent beam portions do not occur when the ions strike the receiver structure, and the beam is sharply separated into the two compartments. In essence, these desirable results are achieved by inclining the adjoining wall of one compartment with respect to the approaching ions to reduce possible rebounding of ions from the compartment into the adjacent compartment.

4357

ISOTOPE SEPARATING APPARATUS. M. K. Kudravetz and H. B. Greene (to U. S. Atomic Energy Commission). U. S. Patent 2,852,687. Sept. 16, 1958.

This patent relates to control systems for a calutron and, in particular, describes an electro-mechanical system for interrupting the collection of charged particles when the ratio between the two isotopes being received deviates from a predetermined value. One embodiment of the invention includes means responsive to the ratio between two isotopes being received for opening a normally closed shutter over the receiver entrance when the isotope ratio is the desired value. In another form of the invention the collection operation is interrupted by changing the beam accelerating voltage to deflect the ion beam away from the receiver.

4358

CALUTRONS. W. M. Pierson (to U. S. Atomic Energy Commission). U. S. Patent 2,852,688. Sept. 16, 1958.

A vacuum tank is described for a calutron and the mounting means for the tank whereby the tank may be conveniently positioned in the proper place between the poles of the magnet and there readily adjusted in height. A plurality of grooved guide wheels are mounted on adjustable levers attached to one side of the tank, along with a plurality of plain rollers mounted on adjustable levers attached to the same side of the tank on the opposite edge. The grooved guide wheels and rollers cooperate with a guide track and runway, respectively, for movement of the tank into and out of the magnet gap, while the adjustable levers permit the accurate positioning of the tank between the magnet pole pieces.

4359

ION PRODUCING MECHANISM. E. O. Lawrence (to U. S. Atomic Energy Commission). U. S. Patent 2,852,689. Sept. 16, 1958.

Improvements are presented in calutron devices and, more specifically, deals with an improved mounting arrangement for the ion source of the calutron. An important feature of the invention resides in a plurality of insulators so mounted as to be accessible from the exterior of the calutron tank and supporting at their inner ends the ion source. These insulators are arranged in mutually parallel relation and also parallel to the flux of the magnetic field, whereby the strain of the supporting elements is reduced to a minimum. In addition, the support assembly is secured to a removable wall portion of the tank to facilitate withdrawal and examination of the ion producing mechanism.

4360

CALUTRONS. E. O. Lawrence (to U. S. Atomic Energy

Commission). U. S. Patent 2,852,690. Sept. 16, 1958.

This patent relates to calutron devices and has for its object the arrangement of several independent ion separating mechanisms, i.e., ion source and ion receiver, within a single vacuum tank to economize on space and reduce the duplication of magnetic structure. In each of the two described embodiments the ion separating mechanisms are removably supported within the tank. In addition, the magnetic field is produced in the tank by coaxial coils supported outside the tank and magnetic structure is arranged to confine and provide a uniform field within the tank.

4361

VOLTAGE-CONTROLLED TRANSISTOR OSCILLATOR. P. F. Scheele (to U. S. Atomic Energy Commission). U. S. Patent 2,852,746. Sept. 16, 1958.

This patent relates to transistor oscillators and in particular to those transistor oscillators whose frequencies vary according to controlling voltages. A principal feature of the disclosed transistor oscillator circuit resides in the temperature compensation of the frequency modulating stage by the use of a resistor-thermistor network. The resistor-thermistor network components are selected to have the network resistance, which is in series with the modulator transistor emitter circuit, vary with temperature to compensate for variation in the parameters of the transistor due to temperature change.

4362

CASTING APPARATUS. C. F. Gray and R. H. Thompson (to U. S. Atomic Energy Commission). U. S. Patent 2,852,823. Sept. 23, 1958.

An apparatus is described for casting small quantities of uranium. It consists of a crucible having a hole in the bottom with a mold positioned below. A vertical rod passes through the hole in the crucible and has at its upper end a piercing head adapted to break the oxide skin encasing a molten uranium body. An air tight cylinder surrounds the crucible and mold, and is arranged to be evacuated.

4363

OSCILLATORY PUMP. N. Underwood (to U. S. Atomic Energy Commission). U. S. Patent 2,853,228. Sept. 23, 1958.

This patent relates to a pump suitable for pumping highly corrosive gases wherein no lubricant is needed in the pumping chamber thus eliminating possible contamination sources. The chamber contains a gas inlet and outlet in each side, with a paddle like piston suspended by a sylphon seal between these ports. An external arrangement causes the paddle to oscillate rapidly between the ports, alternately compressing and exhausting the gas trapped on each side of the paddle. Since the paddle does not touch the chamber sides at any point, no lubricant is required. This pump is useful for pumping large quantities of uranium hexafluorine.

4364

SCANNER FOR EXPOSING AND ANALYZING MULTICHANNEL FILM. D. J. Zaffarano, John Weber, Jr., and W. A. Rhinehart (to U. S. Atomic Energy Commission). U. S. Patent 2,853,237. Sept. 23, 1958.

A machine capable of analyzing a photographic film used to record pulse amplitude distribution presented on an oscilloscope is described. The film has longitudinal strips or channels representing a particular pulse amplitude range and each strip must be individually scanned to count the number of exposure dots or pulses. In the present machine a film channel is scanned and the dots are converted to electrical pulses which are counted in a mechanical register. After the first channel is scanned, the scanning head is automatically moved laterally across the film to scan the next channel and the film analysis is continued until each channel has been scanned. Another important feature of the invention is the mechanical arrangement of the scanning head to facilitate the removal of the film positioned in the scanning head.

4365

SURFACE TREATMENT OF URANIUM. O. Flint (to U. S. Atomic Energy Commission). U. S. Patent 2,853,441. Sept. 23, 1958.

A method is described for pretreating the surface of uranium metal bodies prior to electroplating or dip coating. A bright lustrous surface is produced on uranium metal having a black oxide coating, by first causing it to undergo anodic electrolytic treatment in aqueous sodium carbonate, in order to remove the black oxide coating. The metal is then given another anodic electrolytic treatment in 10% aqueous citric acid solution in order to produce the bright finish desired.

4366

FUEL-BREEDER ELEMENT FOR A NUCLEAR REACTOR. W. E. Abbott and R. Balent (to U. S. Atomic Energy Commission). U. S. Patent 2,853,446. Sept. 23, 1958.

A nuclear reactor fuel element designed for the breeding of reactor fuel material is described. The fuel element is comprised of a container of low thermal neutron absorption cross-section, a central core of solid fertile material, and a non-aqueous fluid fuel composition disposed between the core and the walls of the container.

4367

CALUTRON STRUCTURE. J. L. Roush (to U. S. Atomic Energy Commission). U. S. Patent 2,853,616. Sept. 23, 1958.

This patent describes an improved calutron collector structure wherein the upstanding blade assembly located in the collector pocket, commonly termed a footscraper, is of novel design. According to the invention, the footscraper may be removed from the collector pocket as a unit and the assembly may then be easily disassembled to facilitate chemical processing of the isotope material from the individual blade walls.

4368

X-RAY PULSE GENERATOR. Q. A. Kerns (to U. S. Atomic Energy Commission). U. S. Patent 2,853,623. Sept. 23, 1958.

This patent relates to an X-ray generator having short time duration per pulse, and particularly describes a simple, portable and inexpensive X-ray source utilizing a commercial type television receiving tube and a small auto-transformer. The tube has a voltage substantially greater than the rate operating value of the tube applied between anode and ground from the full winding of the auto-transformer. In operation a pulse source supplies a voltage to the auto-transformer and the tube is caused to operate at the maximum of the voltage curve by applying the same pulse with negative polarity to the positive biased cathode through a delay line. The X-ray output pulse is cut off abruptly by use of a shorted delay line at the cathode of the tube to shorten the trigger pulse.

4369

RADIATION SHIELDING DEVICE. E. P. Wigner and G. J. Young (to U. S. Atomic Energy Commission). U. S. Patent 2,853,624. Sept. 23, 1958.

A radiation shield that is suitable for the protection of personnel from both gamma rays and neutrons is described. The shield is comprised of a hollow wall and an aggregate consisting of iron and water in approximately equal amounts by volume substantially filling the wall. A means is provided to circulate the water through the wall to cool the shield when in use.

4370

DISCHARGE DEVICE FOR RADIOACTIVE MATERIAL. L. A. Ohlinger (to U. S. Atomic Energy Commission). U. S. Patent 2,853,625. Sept. 23, 1958.

A device is described for unloading bodies of fissionable material from a neutronic reactor. It is comprised essentially of a wheeled flat car having a receptacle therein containing a liquid coolant for receiving and cooling the fuel elements as they are discharged from the reactor, and a reciprocating plunger for supporting the fuel element during discharge thereof prior to its being dropped into the coolant. The flat car is adapted to travel along the face of the reactor adjacent the discharge ends of the coolant tubes.

4371

MAGNETS. H. B. Hofacker (to U. S. Atomic Energy Commission). U. S. Patent 2,853,657. Sept. 23, 1958.

This patent relates to magnets used in a calutron and more particularly to means for clamping an assembly of magnet coils and coil spacers into tightly assembled relation in a fluid-tight vessel. The magnet comprises windings made up of an assembly of alternate pan-cake type coils and spacers disposed in a fluid-tight vessel. At one end of the tank a plurality of clamping strips are held firmly against the assembly by adjustable bolts extending through the adjacent wall. The foregoing arrangement permits taking up any looseness which may develop in the assembly of coils and spacers.

4372

ELECTROSTATIC MEMORY SYSTEM. Jeffrey C. Chu (to U. S. Atomic Energy Commission). U. S. Patent 2,853,695. Sept. 23, 1958.

An improved electrostatic memory system is described for a digital computer wherein a plurality of storage tubes are adapted to operate in either of two possible modes. According to the present invention, duplicate storage tubes are provided for each denominational order of the several binary digits. A single discriminator system is provided between corresponding duplicate tubes to determine the character of the information stored in each. If either tube produces the selected type signal, corresponding to binary "1" in the preferred embodiment, a "1" is regenerated in both tubes. In one mode of operation each bit of information is stored in two corresponding tubes, while in the other mode of operation each bit is stored in only one tube in the conventional manner.

4373

COLD TRAPS. W. I. Thompson (to U. S. Atomic Energy Commission). U. S. Patent 2,853,859. Sept. 30, 1958.

A cold trap is presented for removing a condensable component from a gas mixture by cooling. It consists of a shell, the exterior surface of which is chilled by a refrigerant, and conductive fins welded inside the shell to condense the gas, and distribute the condensate evenly throughout the length of the trap, so that the trap may function until it becomes completely filled with the condensed solid. The contents may then be removed as either a gas or as a liquid by heating the trap. This device has particular use as a means for removing uranium hexafluoride from the gaseous diffusion separation process during equipment breakdown and repair periods.

4374

ELECTROLYTIC REDUCTION OF NITRIC ACID SOLUTIONS. H. W. Alter and D. L. Barney (to U. S. Atomic Energy Commission). U. S. Patent 2,854,315. Sept. 30, 1958.

A process is presented for the treatment of radioactive waste nitric acid solutions. The nitric acid solution is neutralized with an alkali metal hydroxide in an amount sufficient to precipitate insoluble hydroxides, and after separation of the precipitate the solution is electrolyzed to convert the alkali nitrate formed, to alkali hydroxide, gaseous ammonia and oxygen. The solution is then reusable after reducing the volume by evaporating the water and dissolved ammonia.